e Itliming Immal,

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1743.—Vol. XXXIX.

LONDON, SATURDAY, JANUARY 16, 1869.

(SUPPLEMENT) (STAMPED ... SIXPENCE, UNSTAMPED ... FIVEPENCE

MR. JAMES CROFTS, STOCK AND SHAREBROKER, No. 1, FINOH LANE, CORNHILL.

(Retablished 1842.)

HOLDERS of mining shares difficult of sale in the open market may find purchasers for the same through Mr. CROFTS' agency. Also parties requiring advice now to act in the disposal or abandonment of doubtful mining stocks may profitably avail of Mr. CROFTS' long experience on the market in all cases of doubt or difficulty, legal or otherwise.

In November last, Mr. CROFTS recommended the purchase of NEW WHEAL LOVELL shares. They were then 22s. 6d. They have now advanced to more than double this price, and are 50s., and making regular monthly profits. They will rise probably another 61, as the is continually advancing. Mr. CROFTS recommends the purchase of thom immediately.

**Capitalists may hear of an INVESTMENT to pay upwards of 80 per cent, per annum by applying to Mr. CROFTS.

| R. JOHN BUMPUS, 44, THREADNEEDLE STREET, | has FOR SALE the following shares, free of commission:— | 100 Australian United (Gold), 27s, 6d, pd., | 10 Great Laxey, £195, | 10 Taquarii, 14s, 9d. | 10 Great Laxey, £195, | 10 Taquarii, 14s, 9d. | 10 Sano Vincentes, 33s, 9d. | 10 Marke Valley, £94, | 10 Taquarii, 14s, 9d. | 10 Taquarii, 14s, 9

W I L L I A M W A
STOCK AND SHAREDEALER,
No. 29, THREADNEEDLE STREET, LONDON, E.C. WARD,

ESSRS. WILSON, WARD, AND CO., STOCK AND SHAREDEALERS, 16, UNION COURT, OLD BROAD STREET, LONDON, E.C.

MR. THOMAS SPARGO, STOCK AND SHAREDEALER, 224 & 225, GRESHAM HOUSE, OLD BROAD STREET, LONDON, E.C.

O H N RISLEY, (SWORN) STOCK AND SHAREBROKER, 48, THREADNEEDLE STREET, LONDON, E.C. Baukers: London and Westminster, Lothbury.

OFFICE OF THE WHEAL MARY FLORENCE MINING COMPANY (LIMITED), 74, OLD BROAD STREET, LONDON.

M R. JAMES HUME, STOCK AND SHAREDEALER,
74, OLD BROAD STREET, LONDON, E.C.
Orders in the following shares are requested:—
Wheal Mary Florence.
Prince of Wales, 24s.
East Caradon, £94.
South Condurrow, 19s.
Mr. Hume's "Circular" for January is now ready.
Buying and selling orders executed at the closest margins.
Bankers: The London Joint-Stock Bank.

MR. J. H. COCK, STOCK AND MINING SHAREDEALER,
74, OLD BROAD STREET, LONDON, E.C.
Fifteen years' experience in Cornwall and London.
BUYER or SELLER of South Condurrow, North Treskerby, Margaret, Rose
wall Hill, Chiverton, and every other description of mining shares, at close
market prices.

M. R. E. J. BARTLETT, STOCK AND SHAREDEALER, No. 30, GREAT ST. HELEN'S, LONDON, E.C., has SPECIAL BUSINESS in West Godolphin, Summer Hill, North Pool, South Condurrow, Bryn Gwlog, Wheal Agar, Great Vor, South Merllyn, North Treskerby, New Lovell, Great South Chiverton, East Lovell, South Darren, Drake Walls, Wheal Uny, and North Lovant.

South Chiverton, East Lovell, South Darren, Drake Walls, Wheal Uny, and North Levant.

** Mr. E. J. BARTLETT recommends the immediate purchase of West Godolphin and South Merilyn shares. BUYER and SELLER of these shares at the closest prices.

NOTICE OF REMOVAL.

M. JOHN MOSS, STOCK AND SHAREDEALER, begs to say that he has REMOVED to—
ST. MICHAEL'S CHAMBERS, 42, CORNHILL, E.C.

BUYER and SELLER of all descriptions of British and Foreign Mines a close market prices.
SPECIAL BUSINESS in North Treskerby, Prince of Wales, Caldbeck Fells,
Frontino, and Chontales.
Bankers: City Bank, Finch-lane, E.C.

Established Fifteen Years. MESSES. WARD AND JACKMAN,
STOCK AND SHAREDEALERS,
No.1, CUSHION COURT, OLD BROAD STREET, CITY, E.C.
Messrs, WARD and JACKMAN have daily information from the principal seats
of mining, which is at the service of those who may honour them with their
confidence.

Bankers: London and Westminster, Lothbury.

MR. C. A. POWELL, STOCK AND SHAREDEALER,
No. 1, PINNER'S COURT, OLD BROAD STREET, LONDON, E.C.
BUYER OF SELLER OF shares in all mines currently dealt in, at a margin
on the market price of the day.
SPECIAL BUSINESS in Frontino, Taquaril, Don Pedro, Sao Vicente, General
Brazilian, Chontales, Caldbeck Fells, Prince of Wales, and North Treskerby.
References exchanged.
Bankers: City Bank, Finch-lane, E.C.

MR. WILLIAM SEWARD, STOCK AND MINING SHARE BROKER, 19, THROGMORTON STREET, LONDON, E.C. Every description of shares BOUGHT and SOLD at the best market prices.

R. WILLIAM MARLBOROUGH, 1, GREAT ST. HELEN'S,
BISHOPSGATE STREET, LONDON, E.C. (Established 14 years), has
FOR SALE the FOLLOWING SHARES, at net prices:

50 Anglo-Brazil, 108.3d.
50 Established 14 years), has
50 Established 14 years), has
50 Established 14 years), has
50 Anglo-Brazil, 108.3d.
50 Established 14 years), has
50 West Chiv., £59 18 9d.
50 Edtablished 14 years), has
50 West Chiv., £59 18 9d.
50 West Godolphin, 218.
50

MR. GEORGE BUDGE, STOCK AND SHAREDEALER,
No. 4, ROYAL EXCHANGE BUILDINGS, LONDON, E.C. (Established
20 years), is a SELLER at net prices of:—
100 North Jane, 7s. 4d.; 5 East Caradon, 210; 10 Chiverton, £3 8s. 9d.; 100
South Merllyn; 20 Cwm Erfin, £14; 25 North Treskerby, 29s. 6d.; 20 North
Downs, 11s. 9d.; 85 Great South Chiverton; 55 Wheal Agar, 26s. 9d.; 20 Wheal
Grenville, 55s.; 120 Lovell Consols; 100 Chan Alun, 11s. 9d.; 30 Maudilin, 32s. 9d.;
Colquite and Callington; 60 Carn Camborne, 10s.; 15 Nanglies; 70 East
Rosewarne, 5s.; 100 Pedn.an.drea, 28s. 9d.; 2 Wheal Seton, \$6734; 150 South
Grenville, 8s.; 80 Royalton; 36 East Reeth, 17s. 6d.; 35 Prince of Wales, 24s. 6d.;
29 Minera, \$100; 10 Mass-y-Safn, \$26; 115 Tamar Valley; 30 South Herodsfoot,
29s. 9d.; 40 Great South Tolgus, 7s.; 30 Central Snailbeach, 8s.; 150 Princess of
Wales, 3s. 8d.; 76 East Carn Brea; 100 Taquarel, 14s. 6d.; 90 General Brazillan;
100 Anglo-Brazillan. 0 Angio-Brazilian. SERECIAL BUSINESS in Minera, Colquite and Callington United, West Kitty, aldbock Fells, Rose and Chiverton United, and Nanglies. CORNISH AND FOREIGN MINES.

PETER WATSON'S "WEEKLY MINING CIRCULAR AND SHARE LIST—
SYNOPSIS OF CORNISH AND DEVON MINES," of Friday, Jan. 15, No. 515,
Vol. XI., price 6d. each copy, forwarded on application, contains information on the following mines:

Great Western.

Chiverton.

Botallack.

Carn Camborne.

East New Lovell.

Botallack.

West Great Work.

West Great Work.

West Great Work.

Chiverton.

Botallack.

Wheal Trelawny.

East Wheal Seton.

Wheal Corel.

West Graadon.

North Wheal Crofty.

Great Wheal Vor.

Trumpet Consols.

Wheal Margaret.

Wheal West Grandon.

North Wheal Crofty.

Great Wheal Vor.

Trumpet Consols.

Wheal Margaret.

With Particulars of the Recent Advance in the Price of Tin, Table showing the Variations in the Copper Standard during the Past Year, Statistics of the Metal Markets for Copper and Tin, &c., &c.

INVESTMENT OR SPECULATION.—A SELECTED LIST OF RAILWAYS, BANKS, MINES, COLONIAL SECURITIES, FOREIGN GOVERNMENT BONDS, &c., forwarded to bona fide investors on application, in addition to the high rate of interest many of the above are paying, there is now every probability of a great rise in market value.

PETER WATSON, STOCK AND SHAREDEALER,
79, OLD BROAD STREET, LONDON
(three doors only from Hercules-passage, entrance to the Stock Exchange).
Twenty-four years' experience.
(Two in Cornwall and Twenty-two in London.)

Bankers: The Alliance Bank, and the Union Bank of London. References given and required (when necessary) in all the principal towns o the United Kingdom.

THE LONDON DAILY RECORD—STOCK AND SHARE LIST—STOCK EXCHANGE SECURITIES. Published every evening at 5 o'clock. It contains the latest prices of railways, banks, mines, foreign stocks and bonds, financial, insurance, and miscellaneous shares, romarks on the daily rise and fall in prices, with advice as to purchase and sales. Annual subscription, £1 1s.; by post, £2 5s.; monthly subscription—by post, 4s.; single copy, 1d.; by nost, £4.

by post, 2d. Peter Watson, Stock and Sharedealer, 79, Old Broad-street, London.

M R. E D W A R D C O O K E,
STOCK AND MINING SHAREDEALER, 76, OLD BROAD STREET
(and Mining Exchange), LONDON, E.C.
Mr. COOKE, having visited the Chiverton, Caradon, Great Wheal Vor (including West Great Work), Trumpet Consols, and Lovell districts, will feel much
pleasure in affording information thereon, either personally or by letter.

References given.

Price-list sent free on application.
Bankers: Alliance Bank.

W. H. C. U. E. L. SPECIAL BUSINESS— Pendarves Pendarves Emily Henrietta. North Treskerby. Chiverton Valley. Chiverton. Pendarves.
Retallack.
Prince of Wales.
West Chiverton.
East Caradon. West Frances. New Lovell. Great South Tolgus.

MATTHEW GREENE, STOCK AND SHAREDEALER, 1, ST. MICHAEL'S HOUSE, CORNHILL, LONDON, E.C. EAST CARADON.—I advised the purchase of these shares publicly in my advertisement of the 2d January at £7 10s.; they have been sold this day at £10 5s. SPECIAL BUSINESS both as BUYER or SELLER.

BARTLETT AND CHAPMAN'S "INVESTMENT CIRCULAR AND FINANCIAL RECORD"

(Published on the first Wednesday in each month)

Comprises—A Comprehensive Review of the Stock, Share, and Money Markets; an Enumeration and Comparison of the Whole Circle of Investments; and Valuable Suggestions for Purchase or Sale.

***Sent free on application.

No. 2, Bucklersbury, London. E.C.

No. 2, Bucklersbury, London. E.C.

M. R. T. ROSEWARNE, 81, OLD BROAD STREET,
LONDON, E.C.
T. R. has BUSINESS in the following mines, at close market prices:—
Bedford United.
Great Wheal Vor.
Chiverton Moor.
East Caradon.
Chiverton.
East Caradon.
Cook's Kitchen.
East Carn Brea.
East Lovell.
Marke Valley.
T. R. is in a position to recommend several progressive mines that are safe for a great rise during the present year. Having had these mines inspected by competent agents, and having also inspected them myself, and from my practical knowledge of mining in all its branches, I have great confidence in recommending the mines I have selected for an advance in price. Those who have acted upon my advice during the last twelve months haven or reason to complain; and I never saw a better opportunity offered for making money in mining than the present.

Money advanced to any extent on good mining shares.

Money advanced to any extent on good mining shares.

Office hours Ten to Four. Bankers: Bank of England.

MR G. D. SANDY, STOCK AND SHAREDEALER, the following shares at net prices:
10 Chiv, Moor, £518 9d.
20 Marke Valley.
5 Cook's Kitchen, £13½
5 Mary Ann, £20¾.
5 Drake Walls.
25 New Luvell, £212s.
30 No. Treskerby, £115
30 No. Treskerby, £115
30 No. Treskerby, £115
30 Frank Mills, £312s.
30 Rosewall Hill, £18s,
40 Chiv., £58 17s. 6d.
35 Frank Mills, £312s.
40 Rosewall Hill, £18s,
40 Chiverton, £3½.

perty. Tributers are must rapidly advance. THE MINING INVESTORS' ASSOCIATION.

For the PURPOSE of COLLECTING and DISSEMINATING TRUTHFUL INFORMATION on all MATTERS RELATING to the WORKING as well as the FINANCIAL MANAGEMENT OF MINES.

TO FURCHASE and SELL MINING STOOK of every description.

TO MAKE ADVANCES, at a moderate rate of interest for short periods, upon MINING STOOK shaving a market value.

The services of some of the most truthful and experienced Inspecting Agents have been specially retained for this Association.

References to bankers and others given.

THE ASSOCIATION DOES NOT QUOTE SHARES AT FIXED PRICES, but they have SPECIAL BUSINESS to transact in the following stocks:—

GOLD MINES.

GOLD MINES. Chontales, Pestarens, Don Pedro, General Brazilian.

TIN MINES.

East Lovell, Great Vor, Providence, and Wheal Kitty (St. Agnes).

Prince of Wales, Clifford, West Seton, Prosper United, Marke Valley, East Caradon, and North Treskerby.

One or two selected mines can be named that will, probably, double their preat price within the next six months.

Address, THE MANAGERS, at the Office of the Association, 26, Nicholas-ane, Lombard-street, E.C.

INVESTMENT, LOAN, AND BANK AGENCY.
Established 1889.

Established 1839,
PUBLIC SECURITIES of every description Bought and Sold upon advanageous terms. Facilities for payment, and every reliable information afforded to Investors.

LOANS granted, for one year or any shorter period, on Stocks and Shares having a market value.

Pive per cent. Interest allowed upon DEPOSITS of all amounts.

Money and Finance Agency Business generally undertaken.

RICHARD TAYLOR AND COMPANY.

No. 12, Clement's-lane, Lombard-street, London, E.C.

MR. T. P. THOMAS, MINING AGENT AND AUCTIONEER,
Having been lately engaged in the management and inspection of mines and
collieries, begs to inform his friends and the public that he has now resumed
his London business, in the exclusive capacity of an agent.
Possessing 26 years' experience of the London Mining Market, with a practical
knowledge, from personal inspection, of the chief mines in Devon, Cornwall,
North of England, Wales, and Isle of Man, T. P. THOMAS is in a position to
give correct information and advice to those who may favour him with their
commands.

commands.

T. P. THOMAS is prepared to execute commissions in the purchase and sale of Shares for cash, or the usual fortnightly settlement.

Mines inspected and reported upon at the usual charge. A list of market prices on application.

T. P. T. is always prepared to effect sales or purchases in West Godolphin Tin Mine, which for investment or speculation for a great rise he can safely advice (see report).

(see report).

M R. C H A R L E S T H O M A S, MINING AGENT, GENERAL SHAREDEALER, AND AUCTIONEER, 3, GREAT ST. HELEN'S, LONDON, E.C.

Third Edition, price One Shilling; post-free, fourteen stamps,

INING FIELDS OF THE WEST:

A PRACTICAL EXPOSITION OF THE

PRINCIPAL MINES and MINING DISTRICTS OF CORNWALL and DEVON,

Published by CHARLES THOMAS,

At No. 3, Great St. Helen's, London, E.C.

MR. JOHN GIBBS (late LANE and GIBBS), 2, ROYAL EXCHANGE, LONDON, E.C.

MARKE VALLEY, EAST CARADON, WEST ROSE DOWN, and CARN CAMBORNS MINES.—Although difficult to effect transactions in these mines at times on the Mining Market the advertiser is always in a position amongst his correspondents to buy and sell at close prices, and does not hesitate to recommend a purchase in each and all of the above for a great advance in price and large dividends.

GREAT LAXEY and SOUTH DARREN. SPECIAL BUSINESS in these mines.

Bankers: London and County Bank.

ESTABLISHED SEVENTEEN YEARS. GRANVILLE SHARP AND SHAREDEALERS, 32, POULTRY, LONDON, E.C. Bankers: London and Westminster Bank, Lothbury, London, E.C.

RELIABLE INFORMATION GIVEN TO SHAREHOLDERS & INVESTORS.

RELIABLE INFORMATION GIVEN TO SHAREHOLDERS & INVESTORS, N.B.—It is quite impossible to "OFFER" a list of SHARES for SALE at FIXED PRICES, as market prices vary daily.

SPECIAL BUSINESS in the following Mines at the closest market prices:—Chiverton Moor.

Great Western Mines.

Great Western Mines.

Great Western Mines.

Great Western Mines.

Herodsfoot.

Lovell Consols.

Herodsfoot.

Lovell Consols.

Herodsfoot.

West Chiverton.

West Wheal Seton.

Wheal Uny.

Wheal Seton.

Wheal Seton.

Wheal Mary Ann.

Wheal Grenville.

Wheal Mary Ann.

Wheal Grenville.

Wheal Grenville.

Wheal Agar.

Stocks and Shares BOUGHT and SOLD at the closest market prices net.

N.B.—It is quite impossible to quote prices in an advertisement, as they may

2 WEST WHEAL SETON

N.B.—18 is quite impossible to quote prices in an advertisement, as they if vary daily.

SHARES WANTED—
200 EAST CHIVERTON.
200 EAST TRUMPET.
200 EAST TRUMPET.
200 EAST TRUMPET.
201 EAST TRUMPET.
301 EAST TRUMPET.
401 EAST Pool.
402 I New Wheal Scion.

Established Twelve Years.—Twenty-four Years' Experience.

R. F. W. MANSELL, 44, THREADNEEDLE STREET,
LONDON, E.C., recommends the IMMEDIATE PURCHASE of the fol-

LONDON, E.C., recomments the Analysis of A

MR. THOMAS THOMPSON, MINING OFFICES,
12, OLD JEWRY CHAMBERS, LONDON, E.C.

ROYALTON.—The steady increase in the price of tin is causing a great demand
for shares in legitimate tin mines, and which, there can be little doubt, will become generally valuable. Investors, however, should be careful how they place
money in deep and expensive mines, which can only pay profits with tin at high
prices. They should rather seek an investment in those mines which, with extensive reserves, can pay profits with tin at its lowest price. Among the best of
this latter class I place Royalton, and recommend the purchase of the shares
wherever they may be met with. At their present price they are intrinsically
very cheap indeed.

WEST CORNWALL GRANITE COMPANY (LIMITED). In 1000 shares, of £10 per share (£8 10s. paid).

MR. HENRY MANSELL, 44, THREADNEEDLE STREET,
LONDON, E.C., has a few SHARES in these PROFITABLE QUARRIES to OFFER at £5 per share (£8 10s. paid), at present paying from 10 to 15 per cent. The quarries are situated in West Cormwall, with shipping ports at Hayle and Porthleven, and are supplying a contract for the New Government Docks at Chatham and other works, and large quantities of the stone have been supplied for the Thames Embankment. The quality of the granite is equal to any in Cornwall, and upwards of 250 tans are shipped monthly, and the quantity can be considerably increased.

Samples of the granite, and all particulars, can be had at the above address, Mr. H. M. recommends these shares as a sound investment.

R. HENRY MANSELL,

44, THREADNEEDLE STREET, LONDON, E.C.

EAST CARADON.—These shares have risen in price since I first advised the
purchase nearly £7 per share, and will go better; closing price, 10½ to 10½.

PRINCE OF WALES.—Parties holding these shares should take my advice,
and sell.

New Lovell, South Condurrow, and Tamar Valleys are safe for a rise shortly.

Thirteen Years' Experience.

Bankers: London Joint-Stock Bank.

References exchanged.

MR. J. B. REYNOLDS'S "CIRCULAR" can be had POST FREE on application.
J. B. REYNOLDS, Ethelburga House, Bishopsgate-street Within, London, E.C.

INTENDING INVESTORS .- The "FINANCIAL GAZETTE, published by Mr. Y. CHRISTIAN, should be consulted with a VIEW to SAFE EMPLOYMENT of CAPITAL. It contains Original Articles, a Reworf the Money Markets, and a selection of investments paying 16 to 17 per tt., and such information as is necessary to guide intending investors., Bond-court, Mansion House, London, E.C.

Bankers: Bank of England. ent., and such information a 6, Bond-court, Mansion Hot

INVESTORS IN MINING COMPANIES.—
Mr. CHRISTIAN recommends the immediate PURCHASE of NORTH
LEVANT SHARES, whether bought to hold as an investment or to solgrain.
It is a splendid property, and dividends are close at hand. Although Mr.
CHRISTIAN is the only person publicly recommending the purchase of shares in
this sett, he does so with the greatest of confidence, feeling assured that those
who buy now will do well.

C O R N I S H T I N M I N E S . —
Refore investing in ROYALTON, get full information about EAST Defore investing in ROYALTON, get full information about E. ROYALTON, from T. A. MUNDY AND CO., 88, BISHOPSGATE STREET WITHIN; or W. HANNAM AND CO., 449, STRAND.

M B. EDWARD BREWIS, STOCK AND SHAREDEALER, No. 24, OLD BROAD STREET, LONDON, E.C., has BUSINESS, fo cash or account, in all the various Mining Securities at best market prices.

Bankers: The Alliance Bank, London, E.C.

Oniginal Connespondence.

COAL NEAR LONDON-THE SOUTHERN COAL FIELDS.

COAL NEAR LONDON—THE SOUTHERN COAL FIELDS.

SIR,—It is rumoured that the question of the existence of coals beneath the south-eastern counties of England is about to be again revived by an effort being made to get the work undertaken at the expense of the nation, with a view to find some useful employment for the unnecessarily large number of hands at present employed on the Government Geological Survey. Now, without in any way implying that the geological survey is useless, I certainly think that it has prevented a large amount of private enterprise, by leading to the opinion that it is better to wait for information which will some day be obtainable at the national expense, and that it has been a very costly method of obtaining the most meagre results. With respect to the boring for coal in the counties of Kent and Surrey, it is a matter which should be left entirely in private hands, more especially as the very liberal offer was long since made by Messrs. Mather and Platt, of the Salford Ironworks, Manchester (whose names are universally known as manufacturers of the best descrip-

pecially as the very liberal offer was long since made by Messrs. Mather and Platt, of the Salford Ironworks, Manchester (whose names are universally known as manufacturers of the best descriptions of boring machinery), that they would supply all the necessary machinery and apparatus gratuitously if others were willing to grant or obtain the ground wherein to make the boring and pay the borers' wages. A proposition was made through the Mining Journal to this effect fully three years since, yet it has never been responded to.

Now, does not this arise from the undue importance attached to the Geological Survey and to the School of Mines, and to the restrictive geological notions put forward by those bodies. The geology of the Survey officers is certainly based upon theory which is by no means in accordance with the positive facts which have been ascertained by those who work in the mines, and it is to the want of confidence in the teachings of the Government geologists that the comparative failure of the School of Mines is now due. It is understood that the proposition to use national funds to explore Kent and Surrey for coal, which is referred to as likely to come before the reformed Parliament, will be strenuously opposed in more quarters than one, and that in connection with this opposition effort will be made to secure an entire reform in the administration of the Geological Survey Department and School of Mines, or their abandonment altogether.

The feeling that these bodies were instituted solely to find a suit-

Geological Survey Department and School of Mines, or their abandonment altogether.

The feeling that these bodies were instituted solely to find a suitable appointment for the late Sir H. de la Beche, and that, therefore, proving failures, they might have ceased to exist as soon as he died is largely extending, but it is proposed that if those now in power can only show that the success achieved is progressive there shall be no opposition to giving both the Survey and the School a further trial of (say) a couple of years. With a view to elicit the requisite information, a return will be asked for through the House of Commons, embodying the following particulars:—The names of the officers of the Survey, and of the professors connected with the School of Mines, and the aggregate annual salary paid to each; the amount paid from the commencement to date for the engraving and printing of the maps and books of the Survey, and the amount received from the sale or publication of such documents; the average number of of the maps and books of the Survey, and the amount received from the sale or publication of such documents; the average number of visitors daily to the Geological Museum; the aggregate number of students entered for each class in each session of the School of Mines, and the average number of students attending each lecture, distinguishing the subject of the lecture; the number of students who have attended the entire curriculum, and the number who have received certificates of competency or proficiency. Of course, the answers to these questions will enable some opinion to be formed as to the amount of benefit which has been conferred upon the public by the institutions in question .- Manchester, Jan. 8. H. F. J.

THE LOW PRICE OF METALS.

THE LOW PRICE OF METALS.

SIR,—One of the causes of the depression in mining, and low price of metals, particularly that of copper, was the result of the failures of so many eminent firms, owing to the memorable panic of 1866. Another cause was the war breaking out between Spain and Chili, giving for a time a great stimulus to the price of copper, which led to heavy purchases of this article; then followed great caution on the part of consumers, buying only from hand to mouth; large stocks were accumulated, which from bankruptcy and other causes sent down the price of tin and copper to ruinous rates, causing the stoppage of from 100 to 200 mines, which made it unprofitable to carry on operations in any but the richest mines, not only in Great Britain, but abroad as well. Over production for a time sent down prices in the markets of the world.

but abroad as well. Over production for a time sent down prices in the markets of the world. Everything is given to change, in agriculture as well as in com-merce. Tin was selling a few weeks ago at about 43% or 44%, per ton, merce. Tin was selling a few weeks ago at about 43*l*. or 44*l*. per ton, but now at 70*l*., and advancing. Copper is still greatly depressed, though rising in price. Barley was selling some time ago at 30s. per quarter, but now at 53s. to 56s., owing to a scarcity or bad harvest last year, so that it is clear that supply and demand govern prices. The heavy stocks thrown on the market are greatly decreased. The consumption of tin and copper is greatly on the increase, whilst the production must be limited for a time. Manyold mines have ceased to be profitable, from the returns as well as the quality being greatly fallen off, and the expense of working also greatly increased; and should heavy stocks not be thrown on the market for a few weeks the result will, and must, be advantageous to holders as well as producers.—Jan. 12.

MINES AND MINING.

MINES AND MINING.

SIR,—In reading Mr. Carpenter's letter in the Mining Journal the other day, I observe that he has to contend with the same difficulties which other gentlemen have met with when coming here from abroad for the purpose of endeavouring to induce capitalists to invest in foreign mining property. He has some up-hill work to do, I warrant him, and I lament that it is so. I know for a fact that in many parts of the world there are rich mineral properties lying idle, but which only require a judicious outlay of capital to bring them into a highly profitable condition. It is, unfortunately, true that the majority of those who invest in mines know nothing of mining, and think that dividends must immediately follow the purchase of shares. Of course, my remark does not apply to dividend-paying mines, but to those only which are in progressive development, and to those which, at the earliest state, present prospects and indications of success, requiring earliest state, present prospects and indications of success, requiring capital to perfect that success. Certainly there are many instances in which mining has resulted in immediate profits, on a small outlay, in which mining has resulted in immediate pronts, on a small outlay, but these are exceptions to the general rule; and unless investors can be brought to regard mining, when legitimately conducted, as a business which requires time to develope all the resources of the individual property, there will always be the greatest difficulty to obtain adequate capital for the working of the most promising mineral-bearing lodes. In the early days of mining in this county (Cornwall) when were not the case because shareholders then honestly took under such was not the case, because shareholders then honestly took up a sett with the full intention of providing necessary capital, upon the Cost-book System, for testing the real merits of the undertaking. It worked as carefully, and with as much judgment, as any property of the like kind in England. Skilled labour can be obtained easily enough in those departments where required, and as to unskilled la-bour, a large part of which is required in mining, this, as a general rule, can be more cheaply obtained abroad than at home. There are also the same facilities for selecting duly qualified managers to ge and the same heinities for selecting duty quanties managers to go out, if they cannot be obtained in the country; but, unfortunately, it often is the case that parties who take up mining properties, for the purpose of forming companies to work them, have, at the outset, come to an understanding with some agent or other that he shall be appointed the managing agent; so that there is often a wheel within appointed the managing agent; so that there is often a wheel within a wheel, by which the one plays into the hands of the other, without being detected by the shareholders. The consequence is that it is no unusual thing for a man to be placed in the position of managing agent who is not up to the mark, and who, from want of knowledge as to the practical working of the lodes, forms conclusions, and sends in reports which are not borne out by results; so that in the end, owing to mismanagement in this point particularly, a company comes to grief. Given that there are good mheral lodes in a mining property which hold out every prospect of ores being found therein, so as to make the mine a rich one, notwithstanding the directory may consist of men of business, honour, and integrity, yet, after all, the success or non-success of the mine must depend on the judgment and knowledge of the agent who has the direction of the mining operations underground. This must necessarily be the case, for if a man be placed in the position of a manager of any concern, mining or otherwise, unless he can have the sole disposal of the mode of working, or if his views are at every point questioned, and perhaps opposed, what can be expected but failure in the results? So that it becomes a question of paramount importance that the men selected to manage

ing, or if his views are at every point questioned, and perhaps opposed, what can be expected but failure in the results? So that it becomes a question of paramount importance that the men selected to manage the working part of a mining undertaking should possess a full and complete practical knowledge of how the work should be carried out. But how few mining agents are to be found possessing such knowledge, and, when found, see how they are eagerly sought for by those who are interested in mining. It is a very easy thing for a man who is a miner to get himself dubbed "captain." There is no examination necessary for this; consequently, we find men placed as agents in mines who ought never to be there, and whose want of knowledge is often the ruin of the mine and the picking the shareholders' pockets. The incipient history of many mines is as follows:—Capt. Dicky, Trengown, is informed that a man who lives over to Pentireglass, knows where to find a most promising lead or copper lode on Squire Hobson's land. Capt. Dicky sees this man, gets all the information he can from him; sees Squire Hobson, from whom he gets a licence, and then goes to work to cut the lode, which may be done in a week or in a month. The lode being cut, Capt. Dicky inspects it, and reports upon it. It is a beautiful lead lode, for instance, with gossan, which he thinks is rich in silver; at all events, it is made rich, if not so before. The lode is well defined, lying at a good angle for the production of ore; is, in fact, according to Captain Dicky's opinion, one of the finest lead lodes ever seen so near the surface, and in depth will make a very rich one indeed. But Captain Dicky has no money to get a first the seed of the production of one is seen a sone one who has, and who is looking in the production of one is seen a sone who has, and who is looking the server of the production of one in a server of the server one of the finest lead lodes ever seen so near the surface, and in depth will make a very rich one indeed. But Captain Dicky has no money to go further, so he goes to some one who has, and who is looking out for a promising sett to bring out. He unfolds to him the discovery made; he induces him to take up the grant, making it a condition that Capt. Dicky, whatever his qualifications, shall be appointed captain of the mine. The usual preliminaries being arranged, and having settled what the public shall pay for the privilege of becoming shareholders, Wheal Diddle'em is to be started. Reports from Capt. Dicky and others are got up, into which Devon Consols, South Caradon, and other mines are introduced, to show how small the ori-

Ing shareholders, Wheal Diddlerem is to be statued. Reports from Capt. Dicky and others are got up, into which Devon Consols, South Caradon, and other mines are introduced, to show how small the original outlay will be in this case, and how large the returns must be. But it is of the utmost importance that a permanent check should be put to this mode of procedure. The duly qualified and respectable mine agents should form themselves into an association for the protection of their own interests, so that they may be able to exclude the would-be mine captains—the land sharks, if I may so call them—and be themselves the only recognised body from which those disposed to invest in mines may be able to select an agent on whom full reliance can be placed for capability and judgment. If there be a necessity (as, doubtless, there is) for a Royal School of Mines, so likewise there is for a Royal School of Miners. The disrepute into which mining has fallen is entirely owing to the dishonesty and incapability of many mine agents, and those connected with them, for the purpose of getting up companies for the purchase and working of any particular sett which may have been secured, for the purpose of making money out of it to start with. False reports are often got up, I am sorry to say, through the agency of unprincipled men, who are paid for doing it, and no one thing in the known world is it so easy to write upon as upon the question of the prospects of mineare paid for doing it, and no one thing in the known world is it so easy to write upon as upon the question of the prospects of mineral lodes. One man being self-interested in the success of a mine, sees quite different from one who is independent of it. The former sees in every inch of the lode "the most promising indications;" it is composed of every necessary ingredient for the production of an immense amount of ore "in depth," "if properly developed." These are saving clauses, which may be attached with impunity to every opinion. If the mine turns out well, the report was a good one, and wisdom is attributed to the writer. If the mine turns out a failure, still the report is untouched, because either the lodes were not worked deep enough for the ore, or were not "properly developed," because, instead of driving thereon east, they should have been driven upon west, together with a hundred other different reasons which dishonesty can invent to account for the non-success of the adventure. west, together with a hundred other different reasons which dishonesty can invent to account for the non-success of the adventure. It is, therefore, no easy task to induce capitalists to go into a bona fide mining property; it is just as easy, in fact, to induce them to invest in one that is mala fide. To uproot this want of confidence in good investments, honestly taken in hand, should be the endeavour of everyone connected with that great interest—the mining interest of this country, and, in fact, of the world.

We are now probably on the eve of another speculative epoch, when, from the large accumulations of capital in this country, which the owners thereof cannot find employment for (except at a very low rate

We are now probably on the eve of another speculative epoch, when, from the large accumulations of capital in this country, which the owners thereof cannot find employment for (except at a very low rate of interest), much of it will be invested in new mining undertakings, some honestly and many dishonestly, brought before the public, who, as a general rule, take no trouble whatever to examine well into the merits of a mine they are asked to take shares in before they do so, relying either upon the reports or the interested representations of others, who get their commission on the amount of sales of shares which they can effect. If ever a mining property unproved, or of questionable value, is brought out at a considerable premium, I should be always suspicious as to the bona fido nature of the undertaking. Or, if a large number of reserved and paid-up shares are to remain in the hands of the promoters, this would, to me, be another ground for suspicion, for it is not fair in any mining speculation in which the public are invited to join to ask them to pay a premium for that which is not reduced to a certainty as to its value; and no mining property can take this position until the lodes have been developed, and courses of ore therein shown. When this is the case, few such properties are put into the market, simply because, being a proved valuable property, the holders of such are, generally speaking, desirous of holding it themselves, and not offering it to others. Legitimate mining has to contend, also, with a class of men who live by "bulling" and "bearing." How is this to be counteracted? Probably much may be done by keeping the number of shares to a small instead of a large amount, and adopting the Cost-book Principle. "bulling" and "bearing." How is this to be counteracted? Pro-bably much may be done by keeping the number of shares to a small instead of a large amount, and adopting the Cost-book Principle, which (supposing the shares to be held by investors for the purpose of proving the real value of the property) might be a severe check to the plans of this fraternity. The Limited Liability Principle, and the division of shares into a large number, suit the purposes of these gen-tlemen, and it is a difficult matter, I must admit, to counteract their operations. An economical management is also another important tlemen, and it is a difficult matter, I must admit, to counteract their operations. An economical management is also another important feature as regards mining. Cash should be paid for all materials, on which, of course, a fair discount would be allowed. The timber and coal merchant often becomes a considerable shareholder in a mine, more for the purpose of supplying timber and coal than any other, at prices beyond what these materials could be purchased for cash; this should not be, nor need be, provided it is seen that there is always in the bankers' hands ready money to carry on the works. Neither should there be a number of paid directors in mining companies, five out of six of whom, as a general rule, know little or nothing of mining. One or two competent men selected by the shareholders, having under them an efficient principal agent, is quite enough, and all that is required for managing the best mine that ever was or will be discounted. quired for managing the best mine that ever was, or will be, discovered. Such men should be well paid for their services, not altoge-

there is no men should be well paid for their services, not altogether by a fixed salary, but also should have a percentage of profits; this would act as a stimulus to their exertions, and would be beneficial to the shareholders at large.

To return to the question of efficient mine agents. How are they best to be obtained? A man simply a theorist in the nature and development of mineral lodes is of no value; but theory and practice must be combined to make a good miner. It is all very well for a must be combined to make a good miner. It is all very well for a man to study the nature and properties of metals, lodes, heaves, slides, strata congenial for minerals, &c., which can be learnt above ground; but to become an efficient miner he must go underground and see his theory in practice; and under no circumstances is it pos and see his theory in practice; and under no circumstances is it possible to reduce the laws of successful mining to a certainty, because there are so many exceptional occurrences in the nature of lodes, strata, &c., that it is impossible to say beforehand what course should be adopted; and the question is then one of judgment, in which the best and wisest men may, and often do at times, err. What I should like to see formed would be a mining company with a large capital, not for the purpose of embarking in any one particular mine, but in a selected number—these which will bear the strictest scrutiny as to future prospects. The old saying, that it is not advisable to put all your eggs in one basket, should be adopted as regards mining; and I consider such a company as this would be much more likely to find profitable employment for their capital when dispersed over more mines than one. The whole should be under one management, as to directors and financial matters, with a good managing agent for each mine. Leta capital of 100,000%, for instance, be paid into their bankers for this purpose, and let five mining properties be carefully selected (this would be allowing 20,000% for the development of each mine), the money being paid in on a deposit account bearing interest; and the management being first-class, both as regards directors and agents, would it not be more satisfactory to the shareholders to feel that there would be no further payment, in all probability, ever required from them; that there would always be ready cash to buy materials at the greatest advantage; and that he ready cash to buy materials at the greatest advantage; and that there would a be ample capital paid-up (as 20,000% for each mine would be in nine cases out of ten) for thoroughly opening out their properties also to the greatest advantage? Should there be any other gentlemen with the same views as myself on the matter, I shall be happy to co-operate with them for the formation of such a company.

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THE AMENDMENT OF THE STANNARY LAWS.

THE AMENDMENT OF THE STANNARY LAWS.

SIR,—I have for some time waited to see particulars of the speeches at Redruth respecting an amendment of the Stannary Laws, and the resolutions passed. The advertisement of the proceedings condemns the affair in tota. From where and whom comes the capital to work the mines ?—Why, out of the county. Then why confine the advertising to the Cornish papers once, and the Plymouth papers twice? It looks as if there was an intention to keep the real bone fide adventurers, living ont of the county, and the proceeding onto the county. It looks as if there was an intention to keep the real bone fide adventurers, living ont of the county, to county. Then the standard the Mining Journal included—the only paper secretion would have had the Mining Journal included—the only paper secretion would have had the Mining Journal included—the only paper secretion would have had the parts—a paper eagerly sought after as the only reliable source to gain information about Cornish and Devon mines.

To be as charitable as possible, the committee have committed a great blunder at starting, and defeated the ends in view. But who are the committee. I find 30 gentlemen named; out of that number there are incapers, and it is reasonable those gentlemen are going to propose and pass such resolutions as will deprive them of their income, for they are one time or another engaged in cases prive them of their income, for they are one time or another engaged in cases prive them of their income, for they had court is there in way, get a decree, and sell the shares within is xweeks? What court is there in way, leading it is a start to state of the mine has been withheld by the agents, and of the finances by the pursers or committees.

The writer had no less than three demands made by Cornish merchants for supplies to a mine in which he held shares (through the instruction of the purser), and one from a Bristol house (all in one week), amounting to above 3001, alrough how the purser threatened that the mine would b

ne in a foreign country. A WELL-WISHER TO CORNWALL, AND AN ADVENTURER IN HER MINES. Our Correspondent is in errror here—the Resolutions were forwarded by the retary to the *Mining Journal* for publication, and appeared on Dec. 26, p. 913.

THE RESOURCES OF COLORADO-No. VII.

SIR,—Larimer County, which adjoins Boulder, and extends to the northern boundary of Colorado, is of varied scenery, and a mixed character. Its western part is exceedingly mountainous, and embraces the steep secluded canons and wooded mountains north of Long's Peak, and reaching to the "Cache la Poudre" and Larame Long's Peak, and reaching to the "Cache la Poudre" and Larame plains. The eastern part consists wholly of undulating prairies, intersected by streams, the principal of which, Cache la Poudre irver, is a fine, clear running stream, heading in the high hills of Larame, and mountain steeps of the Rocky Mountain range. It waters a fine valley its entire length, and gives full scope to irrigation. Many fine farms are being cultivated and improved in this county; but of the most importance is the wide range of grazing land of the most excellent quality. Mining in Larimer is not developed to any extent. No gold or silver veins of any certain value have yet been discovered. No placer diggings have ever been prospected or found within its borders; but coal, iron, gypsum, and limestone abound. The most remarkable place in the county is Camp Collins, beautifully located where the Cache la Poudre issues from the mountains, running into the plains below. This part of Colorado is in its earliest infancy, and offers rare inducements to farmers and stock raisers. With its rich valleys, fine and healthy bracing atmosphere, nothing is wanting but the magical hand of labour to make it equal to any portion of the State in productive capacity.

mountains, running into the plains below. This part of Colorado is in its earliest infancy, and offers rare inducements to farmers and stock raisers. With its rich valleys, fine and healthy bracing atmosphere, nothing is wanting but the magical hand of labour to make it equal to any portion of the State in productive capacity.

Weld County forms the north-eastern corner of Colorado, joining Dacotah and Nobraska; is 156 miles long east and west, and 70 miles north and south. The surface is a roiling prairie. The Platter river runs the length of the country. The eastern end is a dry and treeless region, clothed with rich grasses adopted to the raising of cattle and sheep in countiess numbers. The western end abounds in water, and a large portion is finely farmed, and raises in great profusion hay, grain, and all vegetables; and being a strictly grain and cattle raising country, has no mines, excepting coal and iron. On Dry Creek are beds of coal it to 18 ft. thick, and beg iron in immense quantities.

Summit County is the largest in Colorado, and embraces the whole north-western portion. It consists of ranges of mountains, and valleys with streams, being watered by the Yampah, White, Grand, and Green rivers and their tributaries. The most interesting feature is the parks, which are a famous summer resort for excursion parties for hunting and fishing. Large game, such as bear, deer, elk, and antelope abound in the forests, and the streams are filled with the finest speckled trout. The county is well timbered, and the soil coellout. Grass and flowers grow to the top of the highest mountain, where there is any place for the soil to stick on. A great part of this county is as yet a term incognition, except to a few venturous hunters and trappers, who have explored and penetrated different parts of this most beautiful region. Within its vast scope of prairies, mountains, and forests some of the lighest peaks of North America rear their frosty heads, and from their perpetual snows give birth to the head waters of the g

and agricultural pursuits; and this will ultimately become the main reliance of miners without any capital but their own labour, and it is a reliance they can safely fall back upon, and be sure of meeting with successful results. The western portion of this county will, undoubtedly, be given up to the Indians in the new reservation the U.S. Government is about to form from the corners of Utah, Arazona, New Mexico, and Colorado, and within which the whole predatory and roving bands of Indians, by orders from Washington, will be hereafter strictly confined.

Park County, which joins Lake on the west, and Cleer Creek on the south, is noted as being one of the richest of the mining counties. Some exceedingly rich placers were discovered in 1859, and in 1861 and 1862 new discoveries excited great expectations that a rich quartx mining region would be developed. Several quartz mills were erected, towns established and settled, and mining vigorously followed, until to-day hundreds of rich auriferous veins of quartz and sulphuret of iron have been opened, still nothing comparatively has been done to fully test the apparent great richness of this portion of the State, which, like other localities, only waits for the approach of the railroad to introduce low freights and cheap labour. This, with a little capital, economical management, and common canse, must make it one day take the highest rank in the production of gold and silver. The county is well watered and timbered, and the streams are full of trout. It embraces within it the country known as the South Park—a most beautiful mountain basin, in which the South Park row takes it rise. The Park is surrounded by some very high mountains, from whose snowy flanks are poured the head branches of the Platte, Grand, and Arkansas rivers. The county seat, glories in the cuphonious name of Buckskin Joe, near the base of Mount Lincoln. Hamilton, Fairplay, Laurette, Montgomery, and Jefferson were all towns of some note when the guich and placer mining was at its height, and will

NOVA SCOTIA GOLD MINES.

NOVA SCOTIA GOLD MINES.

SIR,—The unfortunate collapse of the Nova Scotia Land and Amalgamating Company will hardly have created more prejudice against this province than the clap-trap agitation of a few disappointed place-seekers and political fanatics which has been kept up during the past two years; yet there must be still among the readers of the Mining Journal a number not indifferent to the progress of the gold mines, which, but for the two circumstances named, would have received more attention from British capitalists. As no facts speak like figures, I submit a statistical review for the twelvemonths ended Sept. 30, 1868, and beginning Oct. 1, 1867; and that because no later official returns are just now available; in fact, Australian mining statistics for the second quarter of 1868 were already in circulation here before the local returns for the last quarter of 1867 had been sent to press. I should preface the subject by stating that the past year has witnessed greater publicity of gold mining affairs than any previous period, and consequently increased interest. The most important publications that have tended to these results were—

1. A report by Dr. T. STERRY HUNT, F.R.S., to Sir W. E. Logan, Director-General of the Geological Survey of Canada, "On the Gold Region of Nova Scotia."

2. "Acadian Geology." Second edition. By Dr. Dawson.

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became interesting.

LAWRENCETOWN is known to your readers as the scene of the early labours of Mr. Thomas Belt, now superlutending the Chontales Mines, in Nicaragna, and from two attempts made this year to sell properties located in it to London captulists. One property, known as the Shanghai, was tearly disposed of, but Cupts Clemes arrived out here as a bad season of the year, when the ground was

reined by Mr. Robinson, C.E., and the bargain is said to be concluded. Lawrencetown figures in the Commissioner's report with a maximum yield of 24 ozs. 6 dwts. 16 grs. per ton of quarts, but it should be understood that that was the sustained yield of only 1½ ton, the average of 295 tons 7 owts, being 14 dwts. 20 grs. But the district has bardly had a fair trial, and it is to be hoped that if English capitalists have bought property there it will prove eventually a remunerative investment.

OVENS.—The small quarts veins of this district are very rich, but works have been carried out here only spasmodically since 1861. An American company have fitted up a smelting-furnace for the application of Stevens' flux. Their preparatory arrangements will cost about 5000, sterling, so that they must have confidence both in the quarts and the flux. The same individual who attempted to cause a rush to Isaac's Harbour operated here, too, in the spring with the same object, but was detected in time to allay the unhealthy excitoment his alleged alluvial discoveries were creating.

UNPROGLAIMED DISTRICTS.—Among the most important of these may be mentioned Eccum Secum, Fifteen Mile Stream, and Musquodoboil to the east, and Indian Path and Gold River to the west, but details must be reserved for another letter.—Hallfax, N.S., Jan. 1.

Acadiensis.

THE TAQUARIL GOLD MINING COMPANY.

THE TAQUARIL GOLD MINING COMPANY.

SIR,—As the great authority upon jacotings formation mines has pronounced an opinion to the effect that "the Taquaril Mine will prove to be the most profitable of all such mines at present in operation," it may, perhaps, not be altogether without interest to the shareholders to be placed in possession of some reliable data in connection with the previous history of their property.

It would be to no purpose, nor is it my present intention, to invidiously compare this with any other jacotings mine now working in Brazil; but as so much has been said as to the prospective results likely to be realised by the development of another property, which phoents-like has out of its own ashes become (as far as market price is concerned) the Brazilian star, second only in brightness to the dazziling brilliancy of Maquine, it is but a due meed of justice to Taquaril, whose advocates have not yet appeared on the platform of laudation, to point out the results it has produced in the face of every imaginable difficulty, as indicative of what may be expected when operations are "fairly under weigh." I at once admit that my interest is identical with the success of Taquaril, although 1 am bound at the same time to state that I have a stake, but the success of the property are attested by the irrefragible evidence of such admitted authorities as Mr. Joel Hitchens who was the Capt. T. Treloar of his day. To those who may be strangers to the fact, it may be mentioned that Mr. Joel Hitchens devervedly occupied for many years the important and responsible position of commissioner of the Imperial Brazillan food Mining Association. It is not much less than 40 years since that Mr. Hitchens inspected the Taquaril Mine, and when asked some two or three years atterwards to communicate his opinion, he described it as being very rich indeed, as may be gathered from the fact which Mr. Hitchens instances—that About 50 using Association. It is not much less than 40 years since that Mr. Joel Hitchens deveryed to Sent Special parties that subjects in private private

PARK OF MINES CONSOLS.

SIR,—In the Journal of Sept. 19 the following report on the above property appeared:—"PARK OF MINES CONSOLS (St. Enoder).—J. Stephens, J. Hooper: The preliminary works of these mines are being pushed on with the greatest vigour. We have cleared up the addt at the 15 for 160 fins., and are now preparing the floors for the trial engine, which will be at once crected. In No. 2 is haft the lode is 3 ft. wide, very rich for tin; and the lode in No. 1 shaft is 9 ft. wide, with good rich work throughout the stone. We have several tons of the already up to surface, waiting for the completion of the necessary machinery; to prepare it for market." And in the Journal of Oct. 3 the following appeared:—"PARK OF MINES CONSOLS.—J. Stephens, J. Hooper: The mines are looking just as when we last reported. We find on further research that No. 1 lode is worth 301. per fin.; and we have met with some almost solid stones of the interest of the state of the second o

I have reason to believe. I hear that a respectable party is about to a large part of this property at a high rate; it is, therefore, necessary public should be acquainted with the facts.

J. H. Victoria Inn., Roche, St. Austell.

IMPORTANT DISCOVERY OF SILVER-LEAD DEPOSITS AMONGST THE CELEBRATED SLATE HILLS OF FESTINIOG,

AMONGST THE CELEBRATED SLATE HILLS OF FESTINIOG,
NORTH WALES.

Copy of Report of Capt. John Penrose, late of the Holyford Copper Mining Company, Ireland, and formerly of Cornwall, addressed to Mr. S. J. Hennis:—
Great Manod Silver-Lead Mine, Festiniog, North Wales.

Sin,—Agreeably to your request, I have visited and carefully inspected the solve mine, and am pleased to say the peculiarly favourable position of the sett as to railway communication for transit of ore and materials can hardly be surpassed, being within one mile of the Festiniog Railway, and only about eight miles from a good shipping port, into which the trains run, alongside the vessels. I find this mineral property comprises upwards of 220 acres, and the direction of the principal lodes or mineral veins is east and west, with a prevailing underlie to the north. I also notice cropping out at surface a caunter lode, of great width, and, from the angle of depression, will form a junction with the east and west lodes going into the hill, and at which point a large deposit of mineral may be confidently expected. The surface maintaining the principal valley here is to the south, and the lodes containing the lead ore are on the opposit ste side, and near the top of the mountain. Before I proceed to describe the mineral prospects of the sett, it may not be out of place to refer to the district generally, within the compass of three or four miles, as there is abundant evidence of mineral riches, the chief metals found being lead in bunches or pockets, and being extensive in all the neighbourhood, where workings at intervals for centuries have been carried on. The present workings in your property consist of a shallow adit level, about 18 fms. in length, and driven on the course of the lode, which is from 1 ft. to 18 in. wide; there is also to the south of the lode about 18 fms. in length, and driven on the course of the lode, which is from 1 ft. to 18 in. wide; there is also to the south of the lode and will fall into it in about 16 fms. deeper. It also

THE MANUFACTURE OF WATCHES AND CLOCKS.—A most interesting and instructive little work, describing briefly, but with great clearness, the rise and progress of watch and clock making, has just been published by Mr. J. W. Benson, of 25, Old Bond-street, 99, Westbourne-grove, and the City Steam Factory, 85 and 60, Ludgate-hill. The book, which is profusely illustrated, gives a full description of the various kinds of watches and clocks, with their prices, and no one should make a purchase without visiting the above establishments or consulting this truly valuable work. By its aid persons residing in any part of the United Kingdom, India, or the Colonies, are enabled to select for themselves the watch best adapted for their use, and have it sent to them with perfect safety. Mr. Benson, who holds the appointment to the Prince of Wales, sends this pamphiletto any address on receipt of two postagestamps, and we cannot too strongly recommend it to the notice of the intending purchase.

LONDON GENERAL OMNIBUS COMPANY.—The traffic receipts for

LONDON GENERAL OMNIBUS COMPANY. -- The traffic receipts for the west unding Jea. 10 amounted to 10,8011. 7s. 8d.

Meetings of Public Companies.

PESTARENA UNITED GOLD MINING COMPANY.

An extraordinary general meeting of shareholders was held at the City Terminus Hotel, Cannon-street, on Wednesday,—

Mr. J.-G. (GODMAN (the corcutary) read the notice convening the meeting. The report of the directors (which appeared in last week's Journal) was taken as read.

The CHAIMMAN commenced by expressing his regret that he had been placed in the ohair, no consequence of the absence of the chairman was to the control of the control of the chairman was to the

first succeeding year in which the clear net profits shall be sufficient to allow of such payment being made.—3. No dividend shall be paid on the original capital so long as any arrear of dividend on the preference shares shall estit.—4. A deposit of 11. per share shall be paid upon, or before, the acceptance of an allotment of the preference shares, and the remaining 21. per share shall, or may, be called up by the directors at such times and in such manner as they may deem expedient; but no call shall exceed 10s. per share, and an interval of not less than four months shall clarge interest at the rate of 121. 10s. per cent. per annum, or at such greater rate as directors may from time to time prescribe.—6. The company may at any time after the expiration of five years from the date of the first issue of any of the preference shares (all arrears of interest, if any, being first duly paid) redeem the preference shares on payment of the amount then paid-up thereon, together with a premium of 11. per share.—7. After the date of the offer to make such redemption such preference capital shall cease to be entitled to the receipt of any further dividend whatsover, and the holders thereof shall, as such, cease to be unembers of the company, and the preference shares may, at any time previously to such offer of redemption being made, convert all, or any, of his preference shares (the full amount of 31. per share having been paid, and the certificates delivered up, to be cancelled) into ordinary shares of the company, and shall be seen the time of payment of dividends the directors may from time to time require, of his desire to convert the same; and the receiption of the own payment of the shares and the coverience of the company and the time of payment of dividends the directors may direct, the shares and the receiption of any form time to time require, of his desire to convert the same; and the receiption of the own payment of the own payment

risions in the Articles of Association of the company shall apply to the preference shares, as if they were ordinary shares.—11. The preference shares shall, in the first instance, be offered to the member, pro rotals, as nearly as may be in the present of the shares white the number of ordinal shares hold that nember shall be disposed of by the directors at such times and in such manner as they may from time to time deem expedient.

The Gualrakay said the expedient.

The Gualrakay said the state of these resolutions was really the best means a state of the shares of the state of the

PENHALE WHEAL VOR MINING COMPANY.

A vote of thanks to the Chairman and directors terminated the proceedings.

PENHALE WHRAL VOR MINING COMPANY.

The ordinary quarterly meeting of shareholders was held at the offices, 33, Great Winchester-street, yesterday.

Mr. Thomas Hollerov in the chair.

The notice convening the meeting was read by the secretary, Mr. W. Battye. The minutes of the last general meeting were read and confirmed. The statement of assets and liabilities showed a debit balance of 11041, 6s, 8d.

The report of the agent was read, as follows:—

Jan. 12.—The engine-shaft is slaking under the 34 by twelve men, at 171, per fathom; the shaft is now down 8 fms, 3 ft. below that level, the ground in which is light killas, intermixed with floors of spar; 3 ft. above the present bottom we had the softest floor of ground since we commoned to sink. These changes a consider very favourable, and as indicating that the lodes for also making a consider very favourable, and as indicating that the lodes for also making a consider very favourable, and as indicating that the lodes for also making a consider very favourable, and as indicating that the lodes pack and making a consider very favourable, and as indicating that the lodes for also making a consider very favourable, and as indicating that the lodes for also making a consider very favourable in the getting that the lodes for also making a consider very favourable in the state of the second of the secon

The SECRETARY said that the agent had forwarded the following letter to the committee:—

Jan. 12.—I beg to state I feel confident of good results in sinking our shafts, as the ground is identical with that of Wheal Vor and Metal Mines. When the lodes are poor in those mines they are generally small, and the same with us. They always found that when the ground changed the lode changed also; and, from the changes which have taken place in sinking our engine-shaft, there can be but one opinion as to the result after a further development. I have just some up from underground, and am pleased to say that I broke a good stones of tin from the lode in the 94 end. I have not seen so good in this level or in the 74 before. This looks well for our deeper levels.—W. H. MARTIN.

A SHAREHOLDER asked if any reduction had been made in the liabilities during the past three months, for it appeared to him that unless the merchants were paid regularly the whole body of shareholders must suffer in some way or other in the price of the materials supplied to the mine.

The SECRETARY had much pleasure in stating that the liabilities had been reduced during the provious three months. The accounts rendered, however, showed that there was an amount still owing, and it would be obviously for the benefit of the calis with greater regularity, as shadowed forth by the Chairman, would enable the committee to work the mine with economy and spirits.

Major SANDFORD expressed an unabated confidence in the success of the mine, and the development of the past three months certainly strengthened the belief that before long the shareholders would be well remuerated for their outles and perseverance.

Mr. RIFORLE said that there could not be a divided opinion as to the improv-

and the development of the that before long the shareholders would be well remunicated and perseverance.

Mr. RITCHIE said that there could not be a divided opinion as to the improving position of their property.

The CHAIRMAN said it was a fact which should not be overlooked, that the

change in the stratification in the engine-shaft had occurred at the point indicated in previous reports, and that it was in every respect analogous to the ground in the adjoining mine—Great Vor. It was from this point in Great Vor that the lodes gradually became highly productive, and there was certainly everything to warrant the assumption that similar results would attend the development of Penhale Wheal Vor.

The report was received and ordered to be entered on the minutes, and the accounts were passed and allowed. A call of 10s. per share was made.

A resolution was passed to sink the engine and Ritchie's shafts with vigour. The committee of management were re-elected. A vote of thanks to the Chairman concluded the proceedings.

NERBUDDA COAL AND IRON COMPANY.

A special general meeting of shareholders was held at the London Tavern, Bishopsgate, on Thursday, Mr. HENRY HAYMEN in the chair.

Mr. HERBERT HEATH (the secretary) read the notice convening

Tavern, Bishopsgate, on Thursday,

Mr. Herry Haymen in the chair.

Mr. Herret Heath (the secretary) read the notice convening the meeting.

The Chairman, in moving the resolution, which it was the first business of the meeting to discuss, stated that the object of the meeting was to reduce the liability upon each share. The capital of the company at present consisted of 250,0001, divided into shares of 201. each, and it was considered that a liability of 141, per share was too much, as it had a prejudicial effect upon their property in the market; it was, therefore, proposed to reduce them to 11. shares, upon which a liability of 14s. per share would exist. The first resolution which he had to submit to them was that the fifth clause of the company's Articles of Association be so modified as to read that the nominal capital of the company be 220,0004, divided into shares of 11. each.

Mr. E. Villesboisner thought there was only one objection to shares of this small amount, which was the heavy charge for brokerage upon their transfer, as the usual charge for brokerage was 6d. per share when the value was 21. 10s. or under; is. If under 71. 10s., and so on. He would, therefore, propose as an amendment that the nominal value of the share be not reduced below 21. 10s.

The CHAIRMAN explained that an amendment of the kind proposed by Mr., Illusboisnet could not be accepted, as it did not come within the notice of the mount of the county of

PORT PHILLIP AND COLONIAL GOLD MINING COMPANY.

The ordinary general meeting of shareholders will be held at the Terminus Hotel, Cannon-street, on Thursday, when the directors' re-

PORT PHILLIP AND COLONIAL GOLD MINING COMPANY,

The ordinary general meeting of shareholders will be held at the

Terminus Hotel, Cannon-street, on Thursday, when the directors' report and the accounts will be presented.

The directors congratulate the shareholders on the result of the
company's operations during the past year. The balance-sheet is presented in
a different shape from that of preceding years, partly to comply with the Companies Acis, and partly at the suggestion of Mr. Tekkens, one of the auditors,
count. This amount has been written back, and the capites of the company; the amount is at present represented by the plant, properties,
&c., at present owned by the company in the colony. The consent of the leasted
debited as originally at 97,5001, most of which was lost in the carlier operators
of the mine in Australia and of the Clunes Company having been obtained, the
share capital has (in accordance with the expressed desire of the shareholders,
and after the holding of the necessary meetings) been reduced from 500,000. The last meeting for accompilating this object was held on Dec. 17,
200,000. The last meeting for accompilating this object was held on Dec. 17,
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200,000. The last held of the company are in existence in the last of the last of

LOVELL CONSOLS.—The meeting of adventurers was held on Friday, at No. 2, Bucklersbury, Mr. William Carpenter in the chair. The secretary read the statement of accounts, and reports from Capts. William Chappell and John Nancarrow, which were, especially the latter, very full, as well as satisfactory. Capt. Nancarrow, who inspected the mine on the 5th inst., expressed himself as being much pleased with the improved appearance of the 12 fathom level driving west since his former inspection, about three months since. The node had increased from 4 in. to 1½ ft., and was most congenial for tin. The end was now just under the east end of the rich tin ground gone below the adit and previously reported as worth 20% per fm. He was unable, he reported, to see the lode in the bottom, below the adit, as it was now full of water, but he had little doubt that it could be worked at a good profit as soon as it was drained and laid open, and that the 12 end would be equally good when driven a little further west. An interesting conversation took place upon the reported, in the course of which Capt. Nancarrow, in replying to several shareholders, expressed his conviction that the mine would become a very profitable one before long, especially looking at its proximity to Trumpet Consols, Old Wheal Lovell, East Lovell, and New Lovell, the latter of which had returned 1500% or 1600% was a rich mine 45 years ago (and for how long previously he did not know), and that it was a rich mine now, that a recent discovery in New Lovell was reported to be worth 1900, per fine, and when it was remembered that Trumpet Consols was a rich mine 45 years ago (and for how long previously he did not know), and that it was a rich mine now, that a recent discovery in New Lovell was reported to be worth 1900, per fine,, and when it was seen that Lovell Consols was a rich mine and parallel lodes, and that the present appearances in the 12 west, into which tin had now come, while there was no doubt of a good run of tin ground going down from the adit leve LOVELL CONSOLS.—The meeting of adventurers was held on Frithe

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only a small debit balance, was deemed highly satisfactory, and a call of is. 6d. having been proposed it was unanimously agreed to.

FOREIGN MINING AND METALLURGY.

FOREIGN MINING AND METALLURGY.

The aspect of the coal trade in the Liége basin continues good, and a considerable movement of affairs is anticipated in the year upon which we have now entered. Coal for industrial purposes has been principally in demand; coke may also be said to be now as much sought after as it was neglected six months since. In the Charlero basin the mildness of the season has made itself felt, deliveries being made with rather less freedom on foreign account. Sales for industrial purposes have, however, been well sustained, and contracts expiring with the close of 1868 have been renewed advantageously. In the basin of the Couchant de Mons the movement of affairs is maintained, and sale prices remain very firm. The stocks of fresh coal are now very small, the old accumulations having been run off from day to day. It is stated that the syndicate system, although at an end as regards five great Belgian establishments producing rails, will continue in operation as regards three works, devoting themselves more particularly to the supply of locomotives. The old syndicate, it may be remarked, confined its operations to France, Italy, and Russla. The Charlerol United Colliers Company is paying§2. per share for 1868.

At Havre, Chilian copper in bars has made 73l. 4s. to 73l. 12s. per ton; refined ditto, in ingots, 75l.; Peruvian mineral, pure standard, 74l.; United States (Baltimore), 78l. to 80l.; ditto Lake Superior, 79l. to 84l.; Mexican and Plata, in bars, 66l.; old yellow copper, 44l. to 50l.; and red ditto, 60l. to 68l. per ton. At Marseilles, for consumption, Toka has brought 17l.; Spanish, 74l.; refined chilian and Peruvian, 78l.; rolled recopper, for sheathing, 84l.; and yellow ditto, 80l. per ton. At Paris, Chilian in bars has been quoted at 88l. to 90l.; Straits, 86l. to 88l.; and English in sheets, 10sl. per ton. At Marseilles, Banca has brought 14l. 8s., and English in sheets, 10sl. per ton. At Amsterdam, Dronthelm has brought 16l. to 5fls. to 5fls. to 68ls. to 68ls. to 68ls. to 68ls. t

| P | lg | Tons | 8 39,698 | | 22,042 |
|-----------------|-----------------------|-------------------|--------------|-----------------|----------------|
| Tı | ron | ************** | . 18,942 | ************ | 22,490 |
| T | lotos | | . 3.063 | | 4.393 |
| Fish a way | exports after manu | al labour were s | as follows i | n the two per | lods:- |
| THOTO | Ig | Ton | 8 35,986 | *********** | 22,104 |
| Ť, | on | | 23,554 | | 23,624 |
| 77 | 1-4 | | 4 209 | | E 452 |
| Tribe or or and | antity of coal and | soke imported in | to France | in the first to | en months of |
| The qua | ar was 3,137,696 ton | s. as compared | with 8.188. | 868 tons in the | e correspond. |
| last yes | iod of 1867. The qu | antity delivered | for const | mption was | 2.965.546 tons |
| ing per | irst ten months of | last year as con | nnared wit | h 3 048 833 to | os in the cor- |
| in the n | ing period of 1867. | Thequantity | f coal and o | oke exported | from France |
| respond | irst ten months of | last year was 8 | 77 833 tons | as compared | with 200 266 |
| in the n | the corresponding | poriod of 1867 | In these t | otals Franch | coal figured |
| tons in | 684 tons and 137,54 | 19 tone respectiv | aly The | imports of ir | on and iron |
| for 156, | ls, copper, lead, tin | and gine into I | Crance in t | he first ten m | on the of last |
| minera | ompared as follows | , and zine into i | onding troy | no mise con m | ontens of tast |
| year, co | mpared as follows | with the corresp | 1868. | orts in the c | 1867. |
| period o | of 1867 :- | Tone | | | |
| Ir | on and iron miner | alsTons | 048,702 | ********** | 634,582 |
| Co | opper | | | ••••• | |
| | ead | | | *********** | |
| | in | | | ************* | |
| ZI | nc | ************** | 38,350 | | 39,522 |
| The qua | antities delivered f | or consumption | in the fire | st ten month | s of each of |
| the two | years were as follo | ws:- | 1868. | | 1867. |

ruese agures are not without interest, but we must not weary the reader with too many statistics.

We learn from an official document that the French rectificative budgets of 1865, 1866, and 1867, placed at the disposal of the French Administration of Mines a sum of 6720L for the publication of geological maps of France. These credits had not been fully absorbed at the close of 1867, 3400L remaining disposable. They were re-inserted in the budget of the year 1868, to the extent of 2000L.

FOREIGN MINES

FOREIGN MINES

Don Pedro North del Rey Gold,—Per Tilegram: Produce for November, 15,344 oits.; ditto to bee. 17,7340 oits.

Pestarrana.—T. Roberts, J. Mitchell, T. Warne, J. Roberts, Jan. 4: We remit this day to the office seven Ingots of gold, weighing together 555 oss. 12 dwts. 1 gr., obtained from the three districts in the month of December from 730 tons of orc. From 126 tons amalgamated at Pestarena we obtained 195 ozs. 10 dwts. 2 grs. From 130 tons of more interior ore, Pestarena, amalmagated at Battiglo establishment, we obtained 139 ozs. 3 dwts. 21 grs. From 60 tons amalgamated at Battiglo from Cani Mine yielded 29 ozs. 16 dwts. 18 grs. (23½ tons of this ore was treated by way of experiments on the different qualities of inferior ore) as treated by way of experiments on the different qualities of inferior ore) and the second of the control o

[For remainder of Foreign Mines, see to-day's Supplement.]

A petition for winding-up the Penryn Granite Quarries Company (Limited) is to be heard before Vice-Chancellor Malins on Friday.

"UNDERGROUND LIFE; OR, MINES AND MINERS."

"UNDERGROUND LIFE; OR, MINES AND MINERS."

By far the readiest means of inducing the general reader to interest himself in industrial pursuits with which he is not immediately connected its to present him with the information which it is desired he should possess in the form of an attractive narrative, which can be read for pleasure as well as for business: and hence it is that Mr. Bristow's translation" of Mr. Simonin's "Vie Souterraine" will be into three parts, developed and the control of the control of the control of control of the control of control

THE ROYAL ALMANAC OF ENGLAND FOR 1869.—Under this title Messrs. Bartlett and Chapman, of Bucklersbury, have issued a most useful and interesting work, the subject matter having been selected with great care, and with a view to make the almanac not only a calendar for the year, but a necessity to men of business and to most library tables. Amongst the contents are a set of annuity tables, list of officers of the City of London, members of the House of Commons, country bankers and their London agents, County Courts and list of fees, the value in British currency of foreign monies, garden notes, Government and public officers, orders of knighthood and the peerage, Police Courts, Post Office regulations, Public Acts of Parliament passed in 1867-8, stamp, taxes, and Excise duties, and a mass of other important and useful information. The book is well printed and neatly bound, and altogether forms a valuable addition to the list of useful works of reference published this year.

MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

[EXTRACTS FROM OUR CORRESPONDENCE.]

TAQUARIL.—The meeting of this company is called for Tuesday next, when the proceedings will, doubtless, be of an interesting character. This property is situated near that of the St. John del Rey Company; it is of vast extent, and has been acquired upon favourable terms. The Taquaril ground is, no doubt, one of the richest pieces of gold mining ground in Brazil. In talking with a gentleman who was formally connected with the property, residing in the locality for many years, and watching the working of the mine, I learned that hundredweights of gold had been raised in a very small space of ground. The stratum is soft, and congenial for gold, and there is sufficient water for a wheel large enough for pumping and dressing purposes. Under such management as that of Capt. Treloar, with Mr. Haymen's administration financially, the operations of the company must result in success.

WEST TOLGUS has suffered, in common with many other Cornish mines, from the consequences of the long-continued heavy rains. The effect at West Tolgus was to encrease the water so much that the Wheal Raven adit level could not earry it; so that, with the engine working at full speed, the water has risen to within a few feet of the adit. Every effort has been made to remedy the matter as quickly as possible; and it is hoped that by Saturday (this day) the adit will be clear, and the engine forking the water rapidly.

PRINCESS OF WALES.—The 50-in, cylinder-engine erected on this mine is expected to be at work during the next week, when operations at the shaft will be resumed, and persons best acquainted with the mine believe a course of copper ore will be met with within a few fathoms of the present works in he shaft.

NORTH TRESKERBY.—The 120 has improved to 4 tons per fathom,

NORTH TRESKERBY.—The 120 has improved to 4 tons per fathom, and the 110 to 21/2 tons. The general prospects of the mine are improving.

[ADVERTISEMENT.]

From Mr. JAMES HUME:-The recent advances in the prices of tin From Mr. James Hume:—The recent advances in the prices of fin and copper have been followed by a general rise in the shares of productive British mines, and a ran of prosperity is reasonably expected. There is amplescope for investors, and it is scarcely possible to do wrong in buying in a rising market. Young copper mines, whose workings are at shallow depths, offer great chances to the capitalist; one in particular may be instanced—Wheal Mary Florence (Limited). The agent's report of this week is very favourable. He states—"In the 15 west the driving is about to enter the ore ground driven over by the level above, from which I expect large quantities of copper ore. The lode is now worth 2 tons of copper ore per fathom. In the 25 fm. level, 10 fms. deeper, we have driven west 10 fms. and are approaching the ore ground gone down in the bottom of the 15. We hope to sample, at the end of this month, about 30 tons of copper ore." This is a good speculation. East Caradon is improving greatly in depth, and speculation is again being drawn to this mine, although there was no dividend declared at the last meeting. Wheal University

Low a profit-making mine, and in March the commencement of dividends may be expected. Last quarter they returned 76 tons of tin, at a profit of 7931. 4s. ed. SOUTH CONDURROW: The prospects here are of a very promising character—a course of tin 25 fms. long, and the lode 18 ft. wide, worth 40!. to 50!, per fathom. The supply of tin is described as almost unlimited, and such as to give good profits. It is probable those shares will have a good rise. Marke Valler has given a 5s. dividend. This share has been recommended by me from 3l. npwards. New Wheal Lovell shares are enquired for at present prices—2½ to 2½. PRINGE OF WALES shares show indications of railying from the extreme low prices lately ruling. CHIVERTON shares are in less request, at 3½ to 3½, after reaching 7l. HINGSTON DOWN is said to be improving in the western levels; shares seem cheap. CREBOR shares are occasionally asked for, and considered a fair speculation for a rise. The improved tone appearent in dealings, and the activity being displayed, are calculated to carry quotations very much higher.

THE CORNISH MINE SHARE MARKET.—The advance in the Tin Standard on Friday last, and the more promising state of the copper market through the advices received of diminished importations from Chili and other places, have caused business in the Cornish Mine Share Market within the last few days to wear a livelier appearance than for several weeks past, and there have been pretty many transactions at generally firmer rates in both tin and copper mines. The following more particularly have been dealt in since last week:—Theoroft freely dealt in, as 17%; Cook's Kitchen in demand, at 13% to 13%; West Frances offered at 42; Wheal Uny, 3%; Marke Valley in request, at 9 to 9%; East Caradon, 8 to 8%; a few enquiries for Pendarves United, at 15 to 20; Prince of Wales, 22s, 6d, to 24s.; Providence firm, at 3s to 34; West Scone enquired for, at 185 to 190; Wheal Seton, 67% to 70: Rosewall Hill, 34 to 14%; New Lovell, 2 to 24; Chiverton shares have receded to 34%, 33%, in consequence of a reported failing off in the winse. Chiverton Moor have been flax, at 34% to 54%; North Treakerby, 16s. to 18s.; Emily Henrietta, buyers at 21; Cara Brea, 21 to 23.—West Briton.

SALES OF COPPER ORES.

COPPER ORES SOLD AT THE SWANSEA TICKETINGS FOR THE QUARTER ENDING DECEMBER, 1868:—

| Mines. BRITISH | | Tons. | | Amor | int. | |
|------------------------------------|------|------------|-------|--------------|------|----|
| Knockmahon | | | | € 9,132 | 1 | 0 |
| Berehaven | | 546 | | 3,271 | | 6 |
| Dyliffe | | 323 | | 1,310 | | 6 |
| Ballycummisk | | 203 | | | 0 | 0 |
| Total | | 9597 | | £14,828 | 14 | -0 |
| COLONIA | | 2001 | | 3617,020 | 1.8 | U |
| Cape | | 502 | | £11,840 | - | 0 |
| Moonta | | | | 4,201 | 7 | 6 |
| | | 397 214 | | | | 6 |
| Paramatta | | | ••••• | 2,618 960 | | 0 |
| Wallaroo | | 166 53 | ***** | 465 | | 6 |
| New Cornwall | | | ***** | 142 | 7 | |
| Concordia | | 10 | ••••• | | 3 | 0 |
| Pomona | | 3 | ***** | 93 | | 0 |
| Australian | •••• | 12 | ***** | 90 | 7 | 0 |
| Total | | 1357 | | £20,412 | 3 | 6 |
| FOREIGN | | | | | | |
| Cuba | | 1759 | | £23,747 | 6 | 0 |
| Lisbon | | 68 | | 997 | 18 | 6 |
| Chili | | 16 | | 690 | 0 | 0 |
| Azambugeira | | 24 | | 458 | 3 | 6 |
| Savoy Argentine | | 46 | | 343 | 5 | 6 |
| French | | 35 | | 245 | 0 | 0 |
| Spanish | | 30 | ***** | 238 | 4 | 0 |
| Total | | 1978 | | £26,719 | 17 | 6 |
| RECAPITULA | TIO | N. | | | | |
| British | | | | £14.828 | 14 | 0 |
| Colonial | | 1357 | | 20,412 | 3 | 6 |
| Foreign | | | | 26,719 | 17 | 6 |
| Sundries | | | | 1,796 | | 6 |
| Total | | 6070 | | £63,757 | 0 | 6 |
| | | | | | - | |
| COMPANIES BY WHOM THE ORI | | | | | | |
| Copper Miners' Company | | | | £ 2,883 | 1 | 3 |
| Freeman and Co | | | ***** | 4,653 | 0 | 8 |
| P. Grenfell and Sons | | | | 6,111 | 0 | 6 |
| Sims, Willyams, and Co | | | ***** | 11,367 | 8 | 0 |
| Vivian and Sons | | | | 12,656 | 5 | 6 |
| Williams, Foster, and Co | | | ***** | 13,086 | | 3 |
| British and Foreign Copper Company | | | | 426 | 5 | 0 |
| Mason and Elkington | | | ***** | 4,744 | | 6 |
| Bankart and Sons | | | | 464 | | 9 |
| Charles Lambert | | 336 | | 1,461 | 2 | 0 |
| Ravenhead Copper Company | | | | 1,340 | 1 | 0 |
| Sweetland, Tuttle, and Co | | 259 | | 3,893 | | 0 |
| Landore Copper Company | | 20 | | 610 | 7 | 6 |
| | | | | | | _ |

IMPROVED STEAM STAMP MILL.—A very efficient stamp mill is at present being introduced by the New York Steam Engine Company, and those who have adopted it express themselves thoroughly satisfied with its operation. An excellent illustrated description of the machine has been published in a recent number of the American Journal of Mining, from which it appears that the stamps which are attached directly to steam platon rods are arranged in a group of four, and surrounded by a screen. The battery in which the stamps work is surrounded by a trough cast in the bed-plate of the mill. The ore to be crushed is fed through a hopper directly into the centre of the group of stamps, and so distributed equally to all, and as fast as it is pulverised finely enough it is delivered on all sides through the screen into the trough. The stamping is done wet, and the very finest portion of the powder is washed over from the trough by the overflow of water through spouts into an outer surrounding gutter. There is a separate steam cylinder and piston for each stamp. The cylinders are all cast together with a surrounding exhaust steam jacket, and sole plate, and are supported on wrought-iron pillars erected upon the bedplate. All the cylinders can be adjusted simultaneously by means of nuts fitted to screw threads on pillars, for the purpose of adjusting the clearance between the piston and the top and bottom of the cylinder, and for maintaining a uniform clearance by lowering the cylinders as the stamps wear away and allow the pistons to descend lower. The steam acts above and below the pistons, so that it not only lifts the stamps, but the force of its downward pressure on the piston is added to that due to the weight and fall of the stamps. Each cylinder has an independent valve and automatic valve-gent, so that each piston and stamp may work independently of all the others. The valves are short doubled-faced slides, working horizontally in the chests, and operated partly by the steam and partly by conical surfaces on the upper pa

machine is estimated at about 30-horse power, and will crush 30 tons of hard ore in 24 hours.

GUN-COTTON.—An interesting practical exhibition of the newly-discovered properties of gun-cotton when fired by concussion, instead of by the direct application of flame or heat, was afforded at Woolwich on Monday. The huge 36-in. Mallet mortar, weighing 52 tons, which was placed in the marshes in 1857, and designed to fire a shell of 2548 lbs. (empty), has for some time past been sinking in its great wooden bed, owing to the gradual decay of the wood. It was thought daugerous to run the risk of its falling upon any visitor by leaving it in this position. But weights of 52 tons cannot be moved for nothing. To creet sheers and the necessary appliances for raising the mortar would have entailed an expenditure estimated at about 504. Under these circumstances, recourse was had to gun-cotton to destroy the bed, and precipitate the fall of the mortar. Four charges of 4 oss. each, four of 6 oss., and one of 8 oss. (total, 48 oss.) were placed on the wooded bed, and exploded by means of mining fusees charged with detonating composition. The material being rotten was especially unfavourable for the exertion of explosive force—for the force had, so to speak, nothing to act against. But what could be done was done. The huge bed was shattered, and particles fieth in all directions. The mortar, although it altered its position, refused, however, to fall, being held to some extent by a thick wrought-iron screw bolt. The next experiment was made upon this bolt. A 1-lb. disc of compressed gun-cotton wes tied to the bolt and exploded. The explosion was thus wholly unconfined. Nevertheless the bolt was barbeen in two places, a result which exceeded the most sangulae anticipations. Still the huge mortar remained in its position. A third operation had, therefore, to be made. This time two 1-lb. charges were disposed under a kick behind. The explosion of these charges completed the work. The monster mortar slowly and gracefully bowed forw

LABUAN COAL MINES.—Advices from Labuan give at length satisfactory prospects of the working of the coal mines at that island. After the break up of the China Steam and Labuan Coal Company the property was bought for a small sum by a few men of business in Sociand, and placed under an experienced manager, every precaution being taken for the exercise of rigid economy. The result appears to be that there is already as teady out-turn of coal, and that attention is being paid at Singapore and elsewhere to its valuable peculiarities for steam and gaspurposes. At the same time the working even on its present scale has been brought to yield a surplus over expenses. The latest accounts confirm the impression that the quantity available is practically inexhaustible.

HOLLOWAY'S OINTMENT AND PILLS-CONSTANT SUCCESS HOLLOWAY'S UINTMENT AND FILLS—CONSTANT SUCCESS.—No diseases are more trying to the temper, or more exhausting to the constitution, than the pains in the muscles and joints, caused by exposure to wet or cold. Wherever the seat of suffering it will only be necessary to foment the affected part with warm water, dry thoroughly, and immediately rub in Holloway's ointment to obtain ease. Gout, rheamatism, neuralgia, and its doloreux are soon relieved, and ultimately cured by the use of this unequalied unguent, sided by Holloway's purifying and aperient pills. Whenever persons subject to gout or rheumating gout feel unusually nervous, weak, exhausted, or out of sorts, they should instantly resort to this treatment, which will avert the threatened attack.

Benodsfoot

NEAR LISKEARD, CORNWALL.

TEMPORARY OFFICE,-No. 53, MOORGATE STREET, LONDON.

IN 1024 SHARES ON THE COST-BOOK SYSTEM.

COMMITTEE OF MANAGEMENT AND OFFICERS TO BE CHOSEN FROM THE GENERAL BODY OF SHAREHOLDERS.

and south beyond them.

The levels in Herodsfoot Old Mine have been worked to but little

Nearly £50,000 has been paid to the shareholders of Herodsfoot, who have long shared more than 50 per cent. per annum on their first outlay, and, as each successive level in depth developes greater riches, there is as yet no prospect of diminished returns.

The two setts which, until November last, constituted this valuable property, are now separated, one of the landlords having declined to renew the lease to the original lessees.

The mine was worked by two shafts, one in each sett—the south shaft being down 175 fathoms, the north shaft about 150 fathoms.

This latter will now be the main shaft of the present company's workings. The levels, which have been very productive, communicate between the two shafts, and are continued on the lode north and south beyond awaits development, while the experience already gained forbids misgivings as to the result, for the levels above have yielded very largely, and those being driven north rom the neighbouring and deeper shaft are richer than ever. In point of economical working the advantages are quite exceptional and peculiar, and it is believed that pitches can be worked and large returns made without other outlay for machinery than that required for lifting and dressing the ore.

The burrows of so-called "attle" have yielded by stamping a large return, and the accumulations of a quarter of a century will afford profitable work for a considerable period. These are now under prefitable work for a considerable period. These are now under prefitable work for a considerable period. These are now under prefitable work for a considerable period. These are now under prefitable work for a considerable period. These are now under prefitable work for a considerable period. These are now under prefitable work for a considerable period. These are now under prefitable work for a considerable period. These are now under prefitable work for a considerable period. These are now under prefitable work for a considerable period.

For shares, apply to-W. COLEMAN, Secretary pro tem.

Horth Star Gold Mining Company (LIMITED),

Registered under the Companies Acts 1862 and 1867, by which the liability of the shareholders is limited to the amount of their shares.

CAPITAL £225,000, IN 22,500 SHARES OF £10 EACH.

Deposit, £1 upon application and £1 on allotment.

Further calls will be made as soon as an inspection of the mines has been made on behalf of the company. Deposits to be returned in full

in the event of no allotment.

Shareholders are to have the power of converting their shares, when fully paid-up, into transferable warrants.

DIRECTORS.

LEWIS R. PRICE, Esq., formerly of Mexico, and now of 115, St. George's-square, S.W.

JOHN S. NEALL, Esq., 7, Addiscombe Villas, Croydon, S.E. | CHARLES LIDDELL, Esq., 24, Abingdon-street, Westminster.

WALTER SHAIRP, Esq., Sussex-gardens, Hyde-park, W.

GEORGE T. COULTER, Esq., San Francisco, California, U.S.

With power to add to their number. BANKERS-Messrs. GLYN, MILLS, CURRIE, AND CO.

BROKERS--Messrs. J. HUTCHINSON AND SON, 15, Angel-court, Throgmorton-street, E.C.

SOLICITORS-Messrs. UPTONS, JOHNSON, AND UPTON, 20, Austinfriars, E.C.

SECRETARY-ELIAS TUCKER, Esq. TEMPORARY OFFICE,-15, ANGEL COURT, THROGMORTON STREET, E.C.

PROSPECTUS.

This company is formed for the purchase and working of the mines known as the North Star Gold Mines, situated in Grass Valley, Nevada County, California, about 60 miles from Sacramento, the capital of California, and 12 miles from the Central Pacific Railroad. The following statement as to these mines is by Mr. GEORGE T. COULTER, of California, at present residing in London, who is one

of the directors of the company and a part owner of the mines:

These mines are now, and have been for some years, in full and successoperation.

of the directors of the company and a part owner of the mines:—
These mines are now, and have been for some years, in full and successful operation.

The property is freehold and exempt from all royalties.
The property is freehold and exempt from all royalties.
The actual results of the workings up to date, show that the mines have since their commencement provided the capital requisite for their own development, including an outlay of about £49,000 for machinery, plant, &c., and returned a clear net profit of more than £125,000 to their proprietors.
Since the first opening of these mines the gross returns of gold have yielded an amount of about £40,000 for machinery, plant, &c., and so an amount of about £40,000 for machinery, and plant in the profit of

or royalties whatsoever, may be arranged for at the sum of \$1,000,000, of which the present proprietors will accept \$250,000, or their equivalent in English money, in fully paid up shares of the company.

The vendors will not require the purchase money to be paid before the legal advisors of the company in California have certified that the property has been duly transferred to the company, and until every facility shall have been offered for testing the correctness of this account of the mines in all essential particulars, both as to present workings and future prospects.

This property is capable of being developed on a much larger scale than at present, and the yield of gold might at once be much increased by the erection of additional stamp heads, which could be done at a comparatively trifling outlay. The transfer of the mines to the company need not occasion any stopping of the works, and the usual monthly returns of gold will be received from the mines as heretofore, from the moment they come into the possession of the company.

WATSON BROTHERS' MINING CIRCULAR

WATSON BROTHERS.

M NING AGENTS, STOCK AND SHARE DEALERS, &c.
1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

Thanks for the great patronage bestowed and confidence reposed in their tirm for 25 years, and to assure their friends and clients it will be their earnest endeavour to merit a continuance of both.

Messrs. WATSON BROTHERS have made arrangements for continuing their weekly Circular, which has had a large circulation for many years, to the columns of the Mising Journal, their special reports and remarks upon mine and mining, and state of the share market, will in future appear in this column. In the year 1843, when Cornish mining was almost unknown to the general pablic, attention was first called to its advantages, when properly conducted, in the "Compendium of British Mining," commenced in 1857, and published in 1843, by Mr. J. Y. WATSON, F.G.S., author of "Gleanings among Mines and Miners," "Records of Ancient Mining," "ornish Notes" (accord series, 1863), "The Progress of Mining," with statistics of the Mining Interest, annually for 21 years, &c., &c. in the Compendium, published in 1843, Mr. WATSON was the first to recommend the system of a "division of small risks in several mines, ensuring success in the aggregate," and Messrs. WATSON BROTHERS have always a selected list on hand. Perhaps at no former period in the annals of mining has there been more peculiar need of honest and experienced advice in regard to mines and share dealing than there is at present; and, from the lengthened experience of Messrs. WATSON BROTHERS they are cuboldened to offer, thus publicly, their best services to all connected with mine or the market, as they have for so many years done privately, through the medium of their own Circular.

Messrs. WATSON BROTHERS transact business in the purchase and sale of mining shares, and other securities, payments of calls, receipt and transmission of dividends, obtaining information for clients, and affording advice, to the best of their knowledge and judgment, based on the experience of more than 30 years active connection with the Mining Market.

of their knowledge and judgment, based on the experience of more than 30 years active connection with the Mining Market.

Messrs. WATSON BROTHERS also inform their clients and the public that they transact business in the public funds, railway, docks, insurance, and every ctuer description of shares dealt in on the Stock Exchange.

Mossrs. WATSON BROTHERS are also daily asked their opinion of particular mines, as well as to recommend mines to invest or speculate in, and they give their advice and recommend mines to the best of their judgment and ability, founded on the best practical advice they can obtain from the mining districts, but they will not be held responsible, nor subject to biame, if results do not always equal the expectations they may have held out in a property so fluctuating as mining.

ways equal the expectations they may have held out in a property so fluctuating as mining.

Messrs. WATSON BROTHERS having agents and correspondents in all the mining districts, and an extensive connection among the largest holders of mining property, have the more confidence in tendering their advice on all matters relating to the state and prospects of mines and mining companies, and are able to supply shares in all the best mines at close market prices, free of all charge for commission.

SATURDAY.—A good demand to-day for West Frances shares, at 44 to 45; Buller, 8 to 10; West Chiverton, 89 to 61; Rosewall Hill and Ransom, 25a, to 30s.; East Caradon, 73 to 8; Great North Laxey, 12s. 6d. to 17s. 6d.; Great Retailack, 25 to 27s.; New Lovell, 2 to 294; Wheat Chiverton, 8 to 394; Chiverton Moor, 63; to 6; East Grenville, 31s. to 33s.; North Treskerby, 18s. to 17s. 6d.

MONDAY.—A good demand for West Frances shares, which advanced to 44, Luyers, and Chiverton to 414, 414; North Treskerby, 18s. to 17s.; Chontales, 23s. to 25s.; Bast Grenville, 35s to 394; Prince of Wales, 22s. 6d. to 23s.; New Lovell, 2 to 294; Don Pedro, 3% to 4; Wheat Grenville, 33s. to 38s.; West Chiverton, 59 to 61.

TUESDAY.—Market rather quiet to-day: dealers angeod with the start of the sta

ESDAY .-- Market rather quiet to-day; dealers engaged with the settlement.

West Frances, 44 to 46; Chiverton, 4 to 4½; Seton, 62½ to 67½; Great Retallack, 2½ to 3; Prince of Wales, 21s. to 23s.; Great Laxey, 19 to 20; Don Pedro, 3½ to 4½; Taquarii, 11s. 6d. to 13s. 6d.; Chontales, 2 to 2½.

WEDNESDAY.—Market moderately active. East Caradon, Prince of Wales, and North Treskerby chiefly in demand. East Caradon, 8 to 8½; Prince of Wales, 23s. to 25s.; North Treskerby, 16s. to 18s.; Marke Valley, 9 to 9½; Great Laxey, 19 to 20; Great North Laxey, 12s. 6d. to 17s. 6d.; Buller, 8 to 10; Great Retailack, 2½ to 2½; East Greaville, 3½ to 3½; Chiverton, 3½ to 3%; Chontales, 1½ to 2½; Don Pedro, 3½ to 4.

THURSDAY.—Great excitement in East Caradons. Shares opened 8½, sellers, and advanced to 10, buyers. West Frances and New Lovell shares also in domand. East Caradon, 9½ to 10½; West Frances, 43 to 45; New Lovell, 2½ to 2½; Prince of Wales, 25s. to 27s. 6d.; West Chiverton, 59 to to 61; Don Pedro, 3½ to 4; Chontales, 13½ to 2.

FRIDAY.—An active demand for West Frances, East Caradon, Great Retallack, Seton, Chiverton, New Lovell, South Herodsfoot, East Grenville, and West Chiverton, West Frances, 43 to 45; New Lovell, 2½; Chiverton, 3½ to 3½; New Lovell, 2½ to 2½; South Herodsfoot, 67½ to 7½; Chiverton, 67½ to 7½; Chiverton, 67½ to 7½; Chiverton, 67½ to 7½; Chiverton, 59 to 61; Chiverton, 594; Seton, 67½ to 72%; Chiverton, 59 to 61; Chiverton, 67½ to 72%; Chiverton

Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

BRONFLOYD.—Thomas Kemp, Jan, 9: The settings for January are—Six men to drive the 73 west of cross-cut, from new shaft, at 160s. per fathom; the part of the lode opened on is producing saving work for lead. Four men to open on and stope the lode wost of cross-cut in the 62; the lode here is still looking exceedingly well, and is worth fully 2½ tons of ore per cubic fathom. The winze sinking below this level, under a bargain to put it through to the 73, for 110t., is now down 7½ fars.; the part of the lode carried by the winze is composed of blue slate, intermixed with branches of lead ore. Eight men to strip down the south side of the lode, under the 52; lode worth 1½ ton of ore per cubic fathom. Two men to drive the 52 end east of Barton's cross-cut, on the north part of the lode, at 70s. per fathom; lode at present unproductive. Two men to stope down the south part of the lode from the 53; near to and west of the old shaft, under the point where you had the rich ore above the 40, of the old mine, in 1860, as, at this increased depth the lode should, I think, have another trial. Four men to stope above the 52, west of winse; lode producing I ton of ore per cubic fathom. Four men to drive the 40 end west, on the south part of the lode, at 68s. per from; this end is getting more settled, and I look for an improvement shortly. If the weather keeps favornable we shall sample about 120 tons of ore in the present quarter; and when the winze is through to the 73 our sales will be increased to 160 tons per quarter. The reserves of the mine are large, and we shall not require to sink the new shaft any deeper for 12 months. The mine and machinery are in good working order.

— Thomas Kemp, Jan, 13: The only change which has taken place in the mine are in good working order.

— Thomas Kemp, Jan. 13: The only change which has taken place in the mine since you left for London has been in the 75, west of cross-cut, where the lode is now worth from 15 to 20 cwts. of ore per fathom.

BRYN GWIOG.—S. Harper, Jan. 13: The lode in the 85, west from Bramwell's shaft, still continues small, with occasionally small deposits of lead ore, and having a strong opinion that the lode was much more productive in the bottom of the level than in the roof, I put the shaftmen to stope the bottom for about one yard in depth, and am glad to say I am not disappointed in the produce of the lode. We have raised about 3 or 3 tons of good lead ore, and the lode is still looking very well. I have again put the men to go on with the level, having about 2 fms. more to communicate with the level from Adams's winze, which, if all goes on well, we hope to hole in about a week from this time. The lode in the 75, west from said shaft, is still rather small, but of a more kindly appearance, with a branch of lead about 3 or 3 in, wide; and from the edly appearance, with a branch of lead about 2 or 3 in. wide; and fr pearance of the rock, as well as the lode, I think we are on the eye of

deposit of lead. The lode in the 85, east from Adams's winze, is at present small, and only producing lumps of lead ore—saving work for lead.—Lloyd's Shaft: In opening the 60 yard level west I find that the old workers have been down at about this point; therefore I thought it more prudent to suspend the drivage, and to commence sinking a winze in the bottom of said level, which we have done, and are glad to say wo have met with some fair lumps of lead. We have opened about 3 or 4 yards in the winze, and we have drawn to surface today three cartioads of fine lead for the washing. Lestimate it to be from 1 ton to 30 ewis. of lead; price for sinking, 30s. per yard, to bring it to surface, The tribute pitches are much the same as for some time past. I am glad to say that the water at our engine has greatly fallen off, inasmuch that if it continue to fail off again for another week I hope to carry on the mine by working the engine only by day, which will be a very great item in the coal bill, &c. At the surface I have done everything I thought was advisable, in making water drawings, and to carry off the water from going down into the mine, which has had a very good effect on our engine. There is nothing more of importance to notice.

Ing the engine only by day, which will be a very great item in the coal oil, &c. At the surface I have done everything I thought was advisable, in making water drainings, and to carry off the water from going down into the mine, which has had a very good effect on our engine. There is nothing more of importance to notice.

BRYNPOSTIG.—John Kitto, Jan. 7: We are getting on as fast as we possibly can with the sinking of the engine-shaft below the 24 fm. level; sinking by nine men, at 13t, per fathom; but the large quantity of water with which we have to contend, in proportion to the size of our engine, greatly retards our progress. The lode in the shaft is about 4 ft. wide, and worth ½ too flead ore per fathom, besides a quantity of blende. There has been no improvement in the 24 fathom level ends since my last report. The eastern end is still letting out a large quantity of water, and I am daily expecting to meet with the run of ore we had in the 12 fm. level, and from which the greater part of our returns were made. The tribute pitches in the back of the 24 are as last reported, and are beling worked at 50s., 55s., and 3t, per ton, and yielding a fair quantity of ore. The adit level is being driven into Rhoswen set by four men, and fair progress is being made; but, so far, the lode has not undergone any important change; but, judging from the old workings near the surface, we may expect ere long to have the best part of the mine in this direction.

BRYNYSTWITH.—J. Tregoning, Jan. 12: We have out a branch of spar in the cross-cut north, containing a little ore; as it is going due north I think it is a feeder to the lode. We must be getting very near to it, as I never saw the end letting out so much water before.

BWADRAIN CONSOLS.—R. Northey, Jan. 13: In the 35 was are cross-cutting through the lode; we are making fair progress in the rise in the back of the 45, and the lode to great and appearance; it is now 4 ft. wide, and looking more promising for lead or. The lode in the 50 is 1 ft. 6 in. wide, and looking

CARADON CONSOLS.—B. Bennetts, Jan. 12: There has been waterly any or the gossan lode broken during the week; the end has just passed the small spar cross-course. The north cross-ent is in the midst of an elvan; and the south fross-course. The north cross-ent is in the midst of an elvan; and the south the main lode is near at hand. The Clym's lode, in the 78 west, is slightly constituted the main lode is near at hand. The Clym's lode, in the 78 west, is slightly CASTELL CARN DOCHAN (Gold).—J. Parry, Jan. 13: Since my last report I am happy to state that we have found a little more visible gold in the lode stuff from the deep add drivage; it is not of a rich character, but it is sufficient to prove the existence of visible gold at a good depth. The ground driven through last mouth was 5 fms. 4 ft.; the present price for driving is 7, per fathom.

CHANTICLEER.—W. Wasday, Jan. 14: Owing to a branch having come across thing so much ore the last forthight as we might otherwise expect to have got, I am, however, glad to say that we have got more than enough to pay costs, and hope, when we get to the other side of the cross branch, that the lode will again improve.

CHIVERITOR MOOR.—J. Juieff, Wm. Bennets, Jan. 14: In the 6 west the lode is 18 in, wide, with a promising apparance, and producing stones of silverlode is 18 in, wide, with a promising apparance, and producing stones of silverlode is 18 in, wide, with a promising apparance, and producing stones of silverlode is 18 in, wide, with a promising apparance, and producing stones of silverlode is 18 in, wide, with a promising apparance, and producing stones of silverlode is 18 in, wide, with a promising apparance, and producing stones of silverlode is 18 in, wide, with a promising apparance, and producing stone of silverlode of quartz and stones of lead, Cloggs's shaftmen are making good progress in sinking, and are now down 7 fathoms below the 30.

CWM Darkets—A. Clocker, Jan. 18: I have been supplied in form you that we yes ready to the supplied of the supplied i

There is no change in the underground department since last report. During the past week we have got on very well with the surface operations at Impham. The wheel-pit will be completed to-morrow, and we shall at once commence to put in the wheel. put in the wheel.

RAST POOL.—W. S. Garby, J. Maynard, John Hosking, Jan. 11: The crosscut at the 180 is driven north of the engine-shaft 2 fms.—Great Lode: The 170
is driven east of the cross-cut 48 fms., and is worth for tin 12t, per fm. The 170
is driven west of the cross-cut 48 fms., and is worth for tin 18t. per fm. Three
stopes in the hack of this level are worth 25t, per fm. each. The 160 is driven
west of the cross-course 44 fms., and is worth for tin 20t, per fm. Three stopes
are working in the back of this level; two are worth for tin and copper 18t, per
fathom, and the third, 36 fms. east of the cross-cut, is worth for copper and tin
40t, per fathom. A cross-cut is set to drive south at the 150, over the last-named
stope, to intersect the engine lode.—Engine Lode: A winse in bottom of the 160,
west of cross-cut, is worth for tin 18t, per fm.—South Lode: The 130 is driven
east of the cross-course 20 fms., and is worth for tin and copper 10t, per fathom.
The rise in the back of the 130 is up 24 fms., and producing a little tin and copper. Two stopes in the bottom of this level are worth for tin and copper 20t, per
fathom each. The 100, west of the cross-course, is worth for copper 5t, per fm.
EAST ROSEWARKE.—C. Glasson, Jan. 9: Our parcels of ore are all weighed
off—No. 1, computed 24 tons, weighed 22 tons, bought by Williams
7 cwts. 2qrs., bought by Sims, Williams, and Co., at 7t. is. per ton; No. 3, computed 36 tons, weighed 35 tons 19 cwts., bought by the Villiams, Foster, and Co., at 31. 10s. 6d. per ton. Our water is still very quick;
engine working about nine strokes per minute to keep it, but we are all right up
to the present time.

EAST SNAEFELL.—W. H. Rowe, Jan. 12: The 35 ends are set to drive for
another mouth at 9t, 2s, per fm., including delivery of the stuff to the source of the stuff to the sour W. S. Garby, J. Maynard, John Ho.

engine working about nine strokes per minute. The 35 ends are set to drive for to the present time.

EAST SNAEFELL.—W. H. Rowe, Jan. 12: The 35 ends are set to drive for another month at 34, 9s. per fm., including delivery of the stuff to the 30 lodge. The uorth end is a little easier for driving than on the setting-day, and in the south forehead the ground is getting "loughy," and letting out more water. The 31 south is set at 71, per fm.; more spar in the lodg, and also getting wet. The sump in the 20 north is sinking at 91 per fathom, where we are thr "nip" alluded to on Dec. 31, and the lode is rapidly getting stronger.

EAST WHEAL GRENVILLE.—G. R. Odgers, W. Bennetts, Jan. 9: We have no alteration to report in this mine. All the places are looking the same as stated in our report of Thursday last. We are getting on with the dressing operations, and hope to have a good sampling the week after next.

—G. R. Odgers, W. Bennetts, Jan. 13: The lode in the rise above the 110 is worth nearly 20, per fm. The stopes in the back of the same level are worth rully 20, per fm. The stopes in the back of the same level are worth rully 20, per fm. The stopes in the back of the same level are worth rully 20, per fm. The stopes in the back of the same level are worth the same level are worth fully 25 tons of ore per fathom, with a very promising appearance. There is no change in the 75. In the 65 the lode is changing in appearance, and we hope to report an improvement shortly. In the 55 we have a strong and fine-looking lode, worth fully 25 tons of ore per fathom. The rise in the back of this level is worth 122, per fm. We are busy dressing, and hope to have a good sampling next week.

EAST WHEAL LOVELL.—R. Quentrall, Jan. 13: The mine, on the whole, is looking very well. The meeting will be held in a few days, when a detailed report will be given.

EAST WREAL REETH.—T. Uren: The mine is looking well. I do not see any mistake in the lode, but in the stamps; in consequence of their not being in working order we have got hundreds of bushels of tinstum now at the surface, all in readiness for them, and we should have had a great deal more had it not been for the failure in the adit. We have a large tin lode to break from, more than 6 feet wide, and if the stamps were in working order we should get on very well.

EAST White a note, but in the stangers in consequence of their not being in working order we have got hundreds of bushels of tinstuff now at the surraface, all in readiness for them, and we should have had a great deal more had it not been for the failure in the addt. We have a large thi lode to break from, more than 6 feet wide, and if the stamps were in working order we should get on very well and the stand of the stamps were in working order we should get on very well and the stamps are not all the stamps and the stand of the stamps are not all the stamps and the stand of the stan

which very promise that to of head pre-fathom, with a very "revoursite appearance for further improvement. The stopes in the roof this level are worth 1 ton of lead per fathom. The 84 end, driving north, in new ground, I am glad to say is still improving; the lode is from 3 to 4 ft. wide, worth 15 cewts of lead per fraction. The rise in the 69 south, now 14 fms. above that level, is worth 1 ton of lead per fathom. We are driving the 27 south to get over this ground, but are yet about 6 fms. show: On the 10 de is in the 87 kLIACK.—G. R. Odgers, J. Harris, Jan. 13: No. 1 Lode: The lode in the shaft sinking below the 30 is improving. In the 30 south the lode is worth 4 cwts. of lead per fathom. The 30 north is producing stones of lead. The stope in the back of this level is worth fully 10 cwts, of lead per fathom.—No. 2 Lode: The lode in the 40 north maintains its size and value. Immediately over the end there is a lode worth ½ to no! lead to the fathom, and from the appearance of the end we shall be much disappointed if we do not have to report a good fathous of the shall be much disappointed if we do not have to report a good in producing good stones of lead. We think we shall not have far to slik before meeting with lead to value.

GREAT WHEAL BADDERN.—R. Pryor, H. Tregoning, Jan. 9: The tin lode in the 75, west of the cross-cut, is still producing good stones of it, and the end letting out more water, which is a favourable indication. The lead lode in the 75, west of cross-cut, has become much larger, and we are induced to think we are pushing to m with all possible speed. The water is eased a little since last report. The lode in the Vuchesias deep adit can is about 18 in, wide, composed of shale, spar, mundie, blende, and good stones of lead ore—a kindly end.

HARWOOD.—W. Vipond, Jan. 11: We have not made any further discovery velt ought to have been cut, as shown on the plan, in the upper levels. In the driving on Trough vein we have come upon a mass of clay on the north side of the level; when he is a chag

for dge. the ter. wet.

doubtless, this discovery in the 62 will be of vast importance, yet the 50 west and the 40 east both present most encouraging indications, and, as I have said before, I believe the 50 end is not fur from another shoot of ore; however, when this almost daily expected discovery come and the state of the control of the state of the underground works for your galdance, with is a tracting of the underground works for your galdance.

LOVELL CONSOLS.—J. Nancarrow, Jan. 9: I inspected this mine yesterday, and am much pleased with the improved appearance of the 12 fm. level driving west. The lode has recently changed from a small flookan 4 inches wide to chlorite, mundic, &c., 1½ foot wide, and altogether most congenial for the This run of lode came in at the back of the end, dips westward, and is now nearly down to the bottom. The end is driven 16 fathoms from shaft, and is just under the east end of the rich tin ground gone below the adit, and previously reported worth 20t, per fathom, but from the dip of the tin it is likely that it will have to be driven a little further before it becomes valuable. I could not see the lode in the bottom below the adit, for it is full of water, but, judging from the stuff raisen from it, there can be no doubt but that it can be worked to a good profit as soon as it is drained and laid open, and there is every probability that the 12 fm. level end will be equally good when it is driven a little further west. The adit is cleared 15 fathoms east of shaft; there is a strong, good-looking in the back, which has been worked in some places for tin. The object in clearing this is to get at the tin ground said to be gone below the adit further east, which can be reached at a small expense, and is necessary to be seen, as it reported to be valuable. The engine and machinery are working well, and keep the water easily. Looking at the proximity of this mine to Trumpet Consols, Wheal Lovell, and Rast Lovell, all of which have given

there in the beginning of next week.—Boundary Shaft: The ground in the boy aral level in orth consists of shale. The pitch in bottom of this level south 60 yard level is worth 10 cwts. of lead per fathom. The pitch in the bottom is worth 10 cwts. of lead per fathom. The pitch in the bottom is worth 10 cwts. of lead per fathom. The pitch in the bottom is worth 10 cwts. of lead per fathom. The pitch in back of this level is worth 10 cwts. of lead per fathom. The pitch in back of this level is worth 10 cwts. Of lead per fathom. The pitch in back of this level is worth 10 cwts. The pitch is a pitch of lead per fathom. The pitch is a pitch in the level of level of lead per fathom and the pitch is a pitch in the level of level o

winze under the iss in a fortuight, and shall then commence stoping the ends is worth shaft, the shaft, the lode is 7 ft. wide, principally flookan. In the 183, east of Praed's shaft, the lode is 8 ft. wide, principally flookan. In the 180, east of Rule's shaft, the lode is 1 ft. wide, principally flookan. In the 180, east of Rule's shaft, the lode is 1 ft. wide, principally flookan. In the 180, east of Rule's shaft, the lode is 1 ft. wide, composed principally of capel, interspersed with mundic and ore. The stope in back of this level will yield 2 tons of ore per stom. In the 80, west of the cross-cut, the lode is disordered by the flookan being it in the flookan that we have just met with on the footwall, and appears to be taking a more south bruncing and saving work for copper ore. I expect an improvement in the end after we pass the flookan. The wines in the bottom of the 65, east of flookan the end after we pass the flookan. The wines in the bottom of the 65, east of flookan the end after we pass the flookan. The wines in the bottom of the 65, east of flookan the sum of the cross-cut, will yield 4 tons of ore per fathom. The lode in the 65, east of the cross-cut, is in two parts; the north partis principally flookan and white from, the south part, from which most of the water is issuing, is looking very promising, producing 1 ton of ore per fathom. The stope in back of this level will yield 3 tons of ore per fathom. The stope in back of this level will yield 3 tons of ore per fathom. The stope in back of this level cross-cut, will yield 3 tons of ore per fathom. The stope in back of the 80, and the south lode, will yield 3 tons of ore per fathom.

10. Defuntionally is a fortunal to the cross-cut south, from the footwally will yield 3 tons of ore per fathom. The three pitches in back of the 80, on the south lode, will yield 3 tons of ore per fathom.

11. Defuntionally is a fortunal to the stope in the sto

is worth 71. per fathom; and the same level west, on ditto, 81. per fathom. In the 50 fm. level cross-out, driving north on the cross-course, we have out another branch, containing good stones of tin. The 45 east, on new lode is still worth 81. per fathom.—Pink Mine: The lode in the Shop shaft, sinking below the 30, is not so good as when last report, now worth 81, per fm. The stope in back of the 50 west is worth 121, per fm. The lode in the 20, west of this shaft, is worth 101, per fm.

the be well a word: His. per fin. The bolt in the Sty water of the mother, there of the ground below the So. at Fullip's a empire-sharf, in scarry completed, and the Sty of the ground below the So. at Fullip's a empire-sharf, in scarry completed, and the Sty offering south of this sharf, it will be so that the St. of the Sty of

visible gold is now to be seen in the lode, which is 4 ft. wide; this level is being

risible gold is now to be seen in the lode, which is 4 ft. wide; this level is being carried forward by nine men, as a stoping level. A stope is being wrought by nine men west of No. 6, from which I hope to obtain some visible gold ore. A har of gold weighing 36% ozs. was forwarded yesterday. [The above quantity of gold has been received at the offices of the company.]

WEST BASSET.—George Lightly, Jan. 14: At Grenville's shaft, in the 154 east, the lode is worth 1% ton of ore per fathom. In the 134 west the lode is worth 100 for ore per fathom. In the 154 west the lode is worth 100 for eper fathom. —Middle Lode: In the 65 west the lode is worth 61, per fathom for tin. —Hambly's coulty improved in value, and is now yielding rich work for tin.—Hambly's Lode: In the 65 west the lode is worth 51, per fathom for tin.

WEST GODOLPHIN.—Joseph Vivian and Son. John Pope, jun., January 13: In the Pressure shaft, sinking below the deep adit level, on the caunter lode, a considerable improvement is taking place with note of the shaft is now and the long of the shaft of the shaft

The ground in the 30 fm. level cross-cut, north from Willesoft a stant, is larvourable for driving, and if it continues as at present we expect to cut the lode by some part of next week.

WEST PRINCE OF WALES.—W. C. Cock, Jan. 12: The south lode in south shaft has increased in size during the past week; it is now from 20 in. to 2 feet wide, in the western end of the shaft, consists of flookan and white iron, with a little mundle and spots of copper ore, looking rather more promising than I have seen it for the last 3 fms. sinking. In the north engine-shaft there is no change in the ground and very fair progress is being made in the sinking.

WEST ST. IVES.—T. Uren, Jan. 13: On No. 1 lode we have had a hard bar of ground in the end, but, as we are not yet through it, the lode is opening, and producing good stones of tin. We are going on well with the cross-course to believe we are approaching another lode.

WEST WHEAL TREMAYNE.—S. Roberts, Jan. 12: We are getting on favourably with sinking the engine-shaft; the lode still maintains its size, but is not so good as it was last week, yet it still produces good stones of copper or composed of spar, with atones of ore—a very kindly lode. In the winze below the 20th lode par, with atones of ore—a very kindly lode. In the winze below the 20th lode as present is small, taking a downright direction; we are in the main part, and it is further south, as there are some branches gone down in that direction. There has been nothing done in the 20 west, on south lode, since last week.

WHEAL AGAR.—E. Rogers, Jan. 13: The two pares of shattmen are engaged in cutting plat, &c. Three is no change in the 10 fm. level end. I have nothing new to communicate.

WHEAL COURTENAY.—J. Glifford, Jan. 13: In the deep adit west the ground

is further south, as there are some branches gone down in that circust. After has been nothing done in the 20 west, on south lode, since last week.

WHEAL AGAR.—E. Rogers, Jan. 13: The two pares of shaftmen are engaged in cutting plat, &c. There is no change in the 110 fm. level end. I have nothing new to communicate.

WHEAL COURTENAY.—J. Gifford, Jan. 13: In the deep adit west the ground is favourable for driving; lode large and kindly. We are carrying about 2 ft. of the south part, which is composed of capel, quartz, and peach, with occasional good stones of copper ore.

WHEAL CREBOR.—J. Gifford, Jan. 13: In the 120 west the ground is favourable for driving; lode 1½ ft. wide, composed principally of peach and mundle. In the 120 east the ground is favourable for driving under the lode, which is very large; 2 ft. of the south part, which we are carrying, is composed of capel and quartz, with copper ore intermixed, but not enough to value, yet a strong, kindly lode. No change in the 96 fm. lovel cross-cut south. The tribute department much the same as last reported.

WHEAL FRIENDSHIP.—Jan. 11: Bennett's Lode: The lode in the 170 fm. level, west of the flookan cross-course, is 15 in. wide, unproductive. The lode in the 150, wost of Whitburne's cross-cut, is 3 ft. wide, yielding 1½ ton of per fathom; notwithstanding the little falling off in the quantity of roe, the character of the lode is such as to expect an improvement shortly. The lode in the rise in back of the 150 is 3 ft. wide, worth 3 tons of ore per fathom for the length of the rise, 10 ft. Caroline's shaft is now 8 fms. under the adit; in consequence of a heavy increase of water, and the former and put down a larger lift, with 113/-in. box, and we again resumed the sinking on Friday Inst; the ground is moderately easy.—Hain Lode: The lode in the former and put down a larger lift, with 113/-in. box, and we again resumed the sinking on Friday Inst; the ground is moderately easy.—Hain Lode: The lode in the 60 km the 66, west of north shaft, is producing go

sideration, coupled with the position of the Property, a tuning the season appendiation.

WHEAL KITY (St. Agnes).—S. Davey, W. Polkinghorne, Jan. 9: The lode in the 83, driving west of Holgate's shaft, is worth for tin 111. per fathom.—New Shaft, Pryor's Lode: In this shaft, sinking below the 94, the ground has been rather hard, and spare for sinking during the week. In the 94, driving west of shaft, the lode is worth for tin 191, per fathom. In the 94, driving east of shaft, the lode is worth for tin 181, per fathom. In the 82, driving west of shaft, the lode is 2 feet wide, and worth for tin 131, per fathom. In the 82, driving west of shaft, we have a split of the cross-course, which has disordered the lode. The lode in the rise in back of the 82, west of shaft, is worth for tin 131, per fathom. The stope in back of the 82, north of shaft, is worth for tin 121, per fathom. In the 44, driving east of cross-cut, north of Pryor's, the branch is producing a thick of the 82 to the staft, is worth for the producing a little tin.—Caunter Lode:

The stope in back of the 82, north of shaft, is worth for tin 121, per fathom. In the 44, driving east of cross-cut, north of Pryor's, the branch is producing a little tin.

WHEAL MARY FLORENCE.—W. Verran, Jan. 13: At present we are driving both east and west in the 15 (i.e., 15 fathoms below the deep adit). In the eastern drivage we have not yet cut through the lode, as we are pushing on by the side to get as quickly as possible under the shoot of ore we had in the shallow adit at the commencement of operations here. In the western end we are now going through the cross-course, after which we shall soon enter the run of ore ground driven over in the deep adit, and from which we expect large quantities of copper ore. We are now taking down the lode west of Saw's shaft, be tween the shaft and the point where we put up the rise, and so far it has averaged 2 tons of ore to the fathom. We are now preparing a parcel for sampling at the end of January, and hope to have about 30 tons. In the 25, or bottom level, we have driven west by the side of the lode about 10 fathoms, and from level, we have driven west by the side of the lode about 10 fathoms, and from level, we have driven west by the side of the lode about 10 fathoms, and from level, we have driven west by the side of the lode about 20 tons. In the 25, or bottom of finding it more productive than in the level above.

WHEAL TRELAWNY.—W. Johns, T. Grenfell, J. Pryor, Jan. 12: The sinking of Trelawny's engine-shaft is going on pretty well, by a full pare of men, taking the water into consideration. In the 210 south the lode is much going on by the side of the lode for speed. In the 210 south the lode is much going on by the side of the lode for speed. In the 210 south the lode is much going on by the side of the lode for speed. In the 210 south the lode is much going on by the side of the lode for speed. In the 210 south the lode is much going on by the side of the lode for speed. In the 198, north of Chippendale's, the lode never locked better since we entered t

Mr. Antonio Brady had an interview with the Right Hon, the Vice-President of the Council, at the Privy Council Office, yesterday, on the subject of the East London Museum of Science and Art.

PUBLIC MEETINGS, AND THEIR MANAGEMENT .- The extraordinary proceedings of shareholders at the meetings of public companies frequently afford amusement to those who are not so deeply interested requently allord amusement to those who are not so deeply interested as to fear too large an amount of pecuniary loss; yet it is seldom that a number of gentlemen, supposed to be acquainted with the affairs of business, get so inextricably entangled as those who attended the meeting of the Nerbudda Coal and Iron Company on Thursday. For some time past the shares of the company have been at a heavy discount in the market, owing, it was thought, to the shares being of large amount, and liable for further calls to the extent of 14t. per share; a meeting was, therefore, convened for the purpose of passing the necessary special resolutions to convert the shares into 1t. shares. the necessary special resolutions to convert the shares into 1l, shares, so that the company's capital should henceforth consist of 250,000 shares, of 1l, each, instead of 12,500 shares, of 20l, each. As to the shares, of 1% each, instead of 12,500 shares, of 20% each. As to the desirability of the change, the shareholders were almost unanimous, but, owing to their want of knowledge of companies' law, and of the rules of conducting public meetings; and to their inattention to the remarks of the Chairman (Mr. Henry Haymen), the resolution was not carried, and the meeting was brought to an untimely end. Mr. Villesboisnet expressed regret that the City of London did not possess the same advantage as Paris with regard to Chambers of Commerce, and that, consequently, he would have to pay 6d, brokerage to transfer a 1% share, though he could transfer a 2%. 10s. share for the same amount, and, therefore, urged that they might just as well reduce to 2%. 10s. only, unless the rate of brokerage could be changed; and the Rev. J. Martineau expressed the opinion that the proposed change would bring in a lower class of shareholders, and lessen his confidence in the company. Upon the resolution being put to the meeting there were 14 hands held up for the reduction to 1% shares, and 8 against it, several of the latter failing to comprehend the nature and mode of passing a special resolution, erroneously supposing that and mode of passing a special resolution, erroneously supposing that they could subsequently vary the resolution so as to reduce the shares to 27. 10s. shares. But, as the result of the voting, the Chairman had to declare the resolution "not carried," whereupon several of those who had opposed it expressed the utmost astonishment that any particular majority was necessary, and desired to vote again—a proceeding clearly illegal. In the endeavour to retrace their steps a poll was demanded; but, as some of those who had inconsiderately followed Mr. Villesboisnet considered it would be stultifying themselves to yote ngainst a resolution on the show of hands, and for it selves to vote against a resolution on the show of hands, and for it on the poll, the necessary three-fourths in number and value to legalise the resolution could not be obtained. That a single defeat, more especially under the peculiar circumstances of the case, should have so ruffled the temper of the Chairman as to induce him forthwith to resign his seat at the board is, perhaps, to be regretted; but it is not improbable that, upon calmer reflection, it will be thought desirable to call another special meeting, so that the decision may be reconsidered, and such resolutions passed as shall meet the wishes of all concerned, and permit the progress of the company to be as free from contending factions as it was before the misunderstanding

GOLD MINING IN ITALY.—It will be seen by the report of the general meeting (reported in another column) that the shareholders have unanimously agreed to provide the additional capital necessary to place this valuable property in a permanently remunerative position.

CHONTALES.-It is understood that the directors are about to convene a special meeting, for the purpose of affording the shareholders an opportunity of obtaining from Mr. Belt his present opinion of the position and prospects of the enterprise. Mr. Belt, in his last advices to the directors, expresses his sincere regret that, owing to the great fall in the value of the ore, and non-completion of machinery, he has only the small remittance of 367 1-5th ozs. of gold this month, the produce of 1372 tons of ore, the yield having averaged only 5 dwts. per ton. As some set-off to this report, Mr. Belt states that within the last few days some good ore has been opened upon at Consuelo, San Antonio, and St. Domingo Mines, and he expects a better yield from the ore during the present month. At Consuelo, the lode now just opened upon yields 10 dwts., that in San Domingo yields 2 ozs., and the stopes at San Antonio yield 12 dwts. The new tramway was expected to be completed in December. Eight of the new stamps have been started, and the whole were to be at work in December. The health of the establishment continues good. The mine reports appear in another column. appear in another column.

THE COMPANY OF PROPRIETORS OF THE ROYAL COPPER MINE of Cobre.—The report of the proceedings for winding up this company is referred to in another part of the Journal, by which it will be seen the company is to be wound-up under the supervision of the Court. Several parties present appeared to be favourable to the formation of a new company, if possible, but the prevailing opinion appeared to be unless fair terms could be arranged with the railway there would be no present of doing as there would be no prospect of doing so.

GREAT WESTERN.—The whole of the shares have been allotted. The prospects of the mines are said to justify the opinion that this property will rank among the best dividend-paying mines in the western part of Cornwall.

THE CWM DWYFOR COPPER AND SILVER-LEAD MINES.—Copper mining in North Wales will evidently be the great event of the present year, and already the advent of several promising concerns habeen foreshadowed. Capitalists in the great centres of industry of sent year, and already the advent of several promising concerns has been foreshadowed. Capitalists in the great centres of industry of this kingdom have set their faces against old and deep mines, and will not embark their savings in the re-working or further prosecution of such mines, but regard with favour the young and newly developed mines of the Principality. Another decided objection which they have against our ancient mining district of England is the great distance from the manufacturing or wealth producing localities and distance from the manufacturing or wealth-producing localities, and the almost insuperable difficulties in the way of any personal inspection of deep mines. But with regard to Wales, they are enabled in a few hours, from Manchester, Liverpool, and all the great manufacturing towns, to reach the scene of operations, and then, as in the case of the Cwm Dwyfor, without risk or difficulty, walk through the various levels, and examine in situ the wonderful rocks of glittering or deposited through successive ages, for the heavily of the various various levels, and examine in situ the wonderful rocks of glittering ore deposited through successive ages, for the benefit of the present and future generations. The advantages are all so obviously in favour of Wales that the only wonder is they were not long ago discovered and availed of. It is, however, clear that a new era is dawning upon the mining interests of the Principality, whose mountains will soon be penetrated in all directions by the aid of the capital and energy of the enterprising Savon. It is almost needless to effect a energy of the enterprising Saxon. It is almost needless to refer to a fact now becoming so widely known, that the richness of the cres, and the facilities of working, render all competition by any other mineral district of the kingdom entirely out of the question.

Cwm Darren.—The specimen box of silver-lead ore referred to in the report arrived at the offices of the company yesterday, where it may be viewed any day between the hours of 11 and 3. The mine continues to improve, and the mineral-bearing portion of the lode increases in value, with every probability of opening up an enormously rich property.

COAL MARKET.—The fresh arrivals this week amount to 141 ships. The trade in house coal has been steady, at the prices last quoted, a large business having been transacted. Hartley's without change. Hetton Wallsend, 17s. 6d.; Haswell Wallsend, 17s. 6d.; Framwellgate Wallsend, 15s. 6d.; Gosforth Wallsend, 15s. 3d. Unsold, 11 cargoes: 40 ships at sea.

The Bank of England return for the week ending on Wednesday evening showed in the ISSUE DEPLATMENT an increase in the "notes issued" of 97,060%, which is represented by a corresponding increase in the "coin and builion" on the other ideo of the account. In the BANKING DEPLATMENT there is shown an increase in the "other deposita" of 1,632,092%, in the "seven day and other bills" of 76,931%, and in the "rest" of 78,012%; together, 1,777,035%, and a decrease in the "public deposits" of 2,828,428%—1,051,093%. On the other side of the account there is an increase in the "Government securities" of 1,900,000%, and a decrease in the "other securities" of 2,939,491%—1,039,491%, showing a decrease in the total reserve of 11,902%.

We have a few volumes of the MINING JOURAL for 1867, neatly bound, which can be had, price 30s., either direct from the office, or through any bookseller or news agent,

- ** With this week's Journal a SUPPLEMENTAL SHEET is given, which contains—The Incorporated Association of Mine Agents of South Staffordshire and East Worcestershire: Report of Meeting—Prof. Smyth's Lectures at the Royal School of Mines: Report—The Steam-engine, Patents, and Improvements: How Inventors are treated by Engineering Writers and Others, by Thomas Craddock—Gas from Petroleum Refuse—Improved Pump—Foreign Mine Reports—Varley's Patent Self-Acting Boiler-Feeder. &c. Boiler-Feeder, &c.
- With next week's Journal we shall publish, as a Supplement, The TITLE-PAGE and INDEX to the THIRTY-EIGHTH VOLUME OF

The Mining Market; Phices of Metals, Ores, &c.

METAL MARKET-LONDON, JAN. 15, 1869.

| COPPER. £ s. d. £ s. d. | IRON. Per ton. |
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| Best selectedp. ton 82 10 0- 84 0 0 | |
| Tough cake and tile 81 10 0- 82 0 0 | Bars Welsh, in London 6 12 6-6 15 6 Ditto, to arrive 6 10 0-6 12 0 |
| Sheathing & sheets. 85 10 0 | |
| Bolts 83 0 0 | Nail rods |
| Bottoms 85 0 0- 88 0 0 | Bars ditto 7 10 0- 9 10 0 |
| Old (Exchange) 69 0 0- 70 0 0 | |
| Burra Burra 86 0 0 | |
| Wireper lb. 0 1 0 - 0 1 01/6 | |
| Tubes 0 0 111/2- 1 0 | Pig No. 1, in Wales 3 15 0-4 5 0 Refined metal, ditto 4 0 0-5 0 0 |
| BRASS. Per lb. | Bars, common ditto 6 0 0- |
| | Do. mrch. Tyne or Tees 6 10 0- |
| Sheetsper lb. 9d — Wire , 8¼d8¼d. | Do., railway, in Wales 6 0 0- |
| Wire , 81/d81/d. | Do., Swed. in London. 10 0 0-10 5 0 |
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| Do., refined116 0 0 | English enging 17 0 0 00 0 0 |
| Banca114 0 0 | English, spring17 0 0-23 0 0 |
| Straits£113 0 0-114 0 0 | QUICKSILVER (p. bottle) 6 17 0 |
| TIN-PLATES.* Per box. | LEAD. Per ton. |
| C Charcoal, 1st qua. 1 6 6-1 8 6 | English Pig, com19 0 0 |
| X Ditto, 1st quality 1 12 6- 1 14 6 | Ditto, LB |
| C Ditto, 2d quality 1 5 6- 1 6 6 | Ditto, WB21 0 0 |
| X Ditto, 2d quality 1 11 6- 1 12 6 | Ditto, sheet20 0 0 |
| IC Coke 1 3 6-1 5 6 | Ditto, red lead21 0 0 |
| X Ditto 1 9 6- 1 11 6 | Ditto, white27 0 0-30 0 0 |
| Canada plates, p.ton 13 10 0 | Ditto, patent shot 22 0 0-22 10 6 |
| Ditto, at works 12 10 0 | Spanish |
| * At the works, 1s. to | |
| - At the works, is. to | Ja. od. per box less. |
| Description O' No. W. of D | |

REMARKS.—Since New Year's Day the Metal 'Change has been held at the Lombard Exchange and Newsroom daily at a quarter to one and half-past three o'clock. These hours are found to answer satisfactorily, and will continue to be the appointed time of meeting. Everyone who has joined the "Lombard" has expressed his admiration of the building and improved in the point of the same time. Everyone who has joined the "Lombard" has expressed his admiration of the building and its arrangements, and certainly it needs but to be seen to be appreciated. Its central position and capaciousness render it particularly adapted for holding Change, and there is little doubt but that it will shortly be generally adopted by those who have hitherto used the "Royal." The American gentleman who was asked what he thought of the "Royal" for the purposes of a 'Ohange, was, perhaps, not far wrong when he declared it "a perfect death-hole." Exposure to draughts, cold and damp air, and wet stones to stand upon, being a combination of about the greatest enemies to health, and have, doubtless, cost many a gentleman his life. Now that a desirable place has been opened, and offered to the public on such inexpensive terms, being little more than 1s. per week, it is to be hoped it will meet with that support which it so fully deserves; and should there be any in the metal trade who as yet have not enrolled hoped it will meet with that support which it so fully deserves; and should there be any in the metal trade who as yet have not enrolled themselves as members, it cannot be impressed upon them too strongly to do so without further delay, and they will have no cause to regret becoming subscribers, for in comparison with the "Royal" it is a perfect Paradise. The shipbrokers have agreed, on and after Monday next, to hold their 'Change at the Lombard at one o'clock. The present condition of the Metal Market is exceedingly encouraging, and

sent condition of the Metal Market is exceedingly encouraging, and there now seems every prospect of soon seeing an entire recovery in all departments of the metal trade from the depression which existed during the pastyear. Business is now very active, and in some branches of the trade very considerable sales have been effected. Prices are now generally remarkably firm, and with regard to some metals advances have been, and continue to be, still made.

COPPER.—This metal has continued to show marked improvement during the week, and a very considerable business has been done in both English and foreign. Although no official announcement has been made by the smelters of an advance in prices, yet they will not now sell at the former rates. For tough cake and ingot they are asking from 811. 10s. to 82l., and for sheets and sheathing \$81. 10s.; and there is little doubt that still higher prices will be established ere long, as the demand remains very good. Chili bar has advanced to 75l. cash, and 76l. to 76l. 10s. for arrival; and Burra and Wallarco have both sold at 86l. cash.

IRON.—In Staffordshire the trade continues very quiet, a large

and Wallaroo have both sold at 86% cash.

IRON.—In Staffordshire the trade continues very quiet, a large proportion of the works are not going more than two-thirds, and some only half-time. This was anticipated as probable by the less sanguine members of the trade, who, however, look for an improvement shortly. Hopes are entertained of a considerable trade with Russia during the year. In Welsh, contracts for railway iron are beginning to be entered for delivery this quarter, and there is a prospect that the works will soon be in full average employ. Home business is recovering from the quietness which has characterised it for several weeks, buyers being now disposed to enter into fresh engagements with tolerable freedom. For bars there is a fair sale, and the stocks of pig held are comparatively small. In Swedish iron there is no change to report. In Scotch pig-iron there has been done a pretty fair business during the week, but towards the close prices have rather declined, the last price received from Glasgow being 55s. 4½d. cash.

LEAD.—A moderate business continues to be done, and prices are

ary firm, at the quotations.

Tin.—The market for Straits has still continued to improve, and TR.—The market for Straits has still considered to improve, and sales have been effected at advanced prices. Business has been done at 1121, cash, and more recently at 1131, cash, and 1141, for arrival; and there seems every prospect that still higher prices will rule ere long. The English smelters do not freely accept orders at the present official rates.

sent omeial rates.

SPELTER continues still inactive, and no sales of importance are reported. The price for parcels on the spot remains without change.

TIN-PLATES.—The advance in tin has necessitated a rise in prices, nd spring prospects are considered good. STEEL and QUICKSILVER without change.

THE COPPER TRADE.—Messrs. Vivian, Younger, and Bond (Jan. 15)
—The business reported again this week has been very heavy. Probably 2500
tons of bars and ingots have changed hands at from 74. to 751. cash, and 751. to
761. 19s. to arrive. Several lots of ore and regulus have been done at 15s. to 15s. 3d.
English raw copper has been in fair demand at ourquotations, and a good many
transactions have taken place in fine foreign. On the 14th inst. news was received from Chili advising charters for the first fortnight of December of 19c0
tons of fine copper, half of which, it is stated, goes to the United States. The
market closes very firm as to prices, but with less excitement.

Messry, James and Shaksmare.—Ore and regulus have been sold as

market closses very firm as to prices, but with less excitement.

Messrs. James and Shakspeare—Ore and regulus have been sold as high as 15s. 3d. per unit, and there is still but little offering even at an advance of 3d. to 6d. per unit. The transactions in Chill slabs were again on a very extended scale (we estimate them at fully 2500 tons), but owing to the excitement in the market it is difficult to arrive at exact particulars; the cash sales ranged from 74t. to 75t., arrival and extended prompt lots fetching 74t. 10s. up to 76t. 10s., according to brand and time for delivery. Yesterday telegrams were received advising the charters from the West Coast for first half of December as equal to about 1800 tons pure copper, of which about 1800 in bars and ingots, the remainder in ores and regulus. This news has had no particular effect on the market. In Australian several hundred tons have been purchased up to 8d. cash, 87t. os 7t. 10s. with extended prompts, a few outside lots being reported at higher rates. Smelters advanced English on the 12th inst. 2t. 10s. per ton, making tough 3tl. 10s., India sheets 85t. 10s., other sorts in proportion; some makers will not accept orders for raw descriptions at the official rates.—The quotations for English tin were officially raised on the 8th inst. 2s, per cwt., and a good business has been

done at present prices. Spite of the repeated prognostications that the speculation in foreign would soon collapse, there is as yet no appearance of such an event taking place, Straits and Banca having advanced a further 3s. to 4s. per cwt., with a large business doing, and it would seem that quotations are likely to go higher; even at the highest values there are not many sellers.

The settlement of the fortnightly account took place in the MINING SHARE MARKET this week, and occupied the attention of the dealers for some days, so that general business has been rather slack, and prices have not varied much, except in East Caradon, which suddenly rose from \$\frac{1}{2}\$ to 10 on Thursday. There was no sale of copper or in Conrwall on Thursday, and, consequently, no change in the standard. Tin, it is thought, may be put up again early next week. East Caradon shares have advanced from \$\frac{3}{2}\$ to 10 on Thursday, and leave off \$\frac{9}{4}\$ to 10\frac{1}{2}\$; at the meeting held on Wednesday the accounts showed a profit on the quarter of 150\frac{1}{2}\$, and a cash balance in hand of 1959\frac{1}{2}\$, 16s. 9d. The report states Child's lode has been cut in the 90, worth 12\frac{1}{2}\$, to 15\frac{1}{2}\$, and a cross-cut commenced south to intersect the lodes. Marke Valley, \$\frac{1}{2}\$ to 2\frac{1}{2}\$, it and the 65\frac{1}{2}\$ is 3 feet wide, with good atones of black and grey ore, and likely to improve. Other parts of the mine remain about the same. Drake Walls, 17s. 6d. 01\frac{1}{2}\$, we have have not yet seen the accounts. Providence Mines 3\frac{1}{2}\$ to 35\frac{1}{2}\$, the wave not yet seen the accounts. Providence Mines 3\frac{1}{2}\$ to 36\frac{1}{2}\$, the wide and grey ore, and last year, during the depressed state of the tin trade, 2800. Carn Bres, 20 to 22\frac{1}{2}\$; the mine made a profit on the quarter of 225\frac{1}{2}\$. 2\frac{1}{2}\$; the mine made a profit on the quarter of 225\frac{1}{2}\$. 2\frac{1}{2}\$; the mine made a profit on the quarter of 225\frac{1}{2}\$. 2\frac{1}{2}\$; the mine made a profit on the quarter of the 40\frac{1}{2}\$ to 3\frac{1}{2}\$; the mine is made profit on the quarter of 25\frac{1}{2}\$. 2\frac{1}{2}\$. The settlement of the fortnightly account took place in the MINING SHARE MARKET this week, and occupied the attention of the dealers for some days, so that general business has been rather slack, and

to make arrangements for commencing operations.

There has been a very large business transacted on the Stock Exchange during the week in mine shares, Brazilian descriptions again attracting attention, and gold shares generally being in demand. The better class of home mines, such as Great Laxey, West Chiverton, East Caradon, West Seton, Devon Great Consols, &c., have also been enquired for, and in several instances a good advance in price has been established, the more healthy tone of the market for the metals of tin, copper, and lead assisting prices. Taquaril shares have been largely dealt in, and have risen to 7s., 9s. prem.; the reports from the mine are of the most satisfactory character. Large investments by returned miners from Brazil have been recently made in the shares. Further advices are expected by the French packet, due on Tuesday next. Don Pedro shares have advanced to 3\frac{1}{2}, 3\frac{1}{2} \text{ prem.}, and in good demand. St. John del Reys are still dull, at 15\frac{1}{2} \text{ to 6}, Port Phillip, 113-16ths to 115-16ths; a dividend of 1s. 6d. per share has been declared, and shares are steady at quotations. Cape. Coppers in good demand, at 13 to 13\frac{1}{2}. Great Laxeys are rather firmer, at 19 to 19\frac{1}{2}. Great Vor, 10\frac{1}{2} \text{ to 11. Prince of Wales, after falling to 22s., rallied to 15s., and close 22s. to 23s. East Caradons have risen to 9, 9\frac{1}{2}, and are favourably looked on. Marke Valley, 9 to 9\frac{1}{2}, cum div.; the mine is looking well. West Chiverton, 58 to 60; Chiverton, 3\frac{1}{2} \text{ to 3\frac{1}{2}. Great Laxeys are to 100. Glan Alun, 12s. 6d. to 13s. 6d.

IRISH MINE SHARE MARKET.—We have had a fair amount of

200. Glan Alun, 12s, 6d, to 13s. 6d.

IRISH MINE SHARE MARKET.—We have had a fair amount of business done in mining shares since Saturday last, chiefly induced by considerable fluctuations in the shares of the Mining Company of Ireland, which at first further improved from 10l. 17s. 6d., last week's closing price, to about 12l. sellers, making a total rise since the great decline on the 2d inst. to 9l. 15s. of fully 2l. 2s. 6d, per share (7l. paid). Since reaching 12l., they were again rather freely supplied for sale, and receded to 11l. 10s., and finally to 11l.; closing, however, with a tendency to a fresh recovery at an advance of 5s., or 11l. 5s. As is usual on our market, Wicklow Copper shares suffered were in the ascendant; and, consequently, declined 6s. per share, which attracted purchasers, and induced not only a rally, but a rise to 11l. 15s, per share (2l. 10s. paid) from 11l. 10s., the price previously quoted. Connorree shares have again been dealt in at 4s. Killaloe Slate Quarry has been dealt in at 16s. to 16s. 3d, being a fall of 2s. 6d, per share. Cape Copper shares commanded a daily market at 13l. 5s., and have just gone up to 13l. 7s. 6d. and 13l. 10s. General Mining Company for Ireland shares are too much neglected, considering their low quotation when last purchased, and the company's fair prospects. On Saturday last, in pursuance of a requisition by shareholders, and avised by counsel to recover from the former board of directors of the company such sum or sums of money as may appear to have been improperly draw, missanplied, or lost through their neglect."

advised by counsel to recover from the former board of directors of the company such sum or sums of money as may appear to have been improperly drawn, misapplied, or lost through their neglect," &c., which resulted in a resolution, nem con., "that a committee of five shareholders be elected to carry out whatever legal proceedings may be advised in respect to the loss sustained in consequence of the former directors' neglect of the affairs of this company," and Messrs. John Mulvany, John Kennedy, Thomas Bunker, Thomas Vance, and Marque Hughes were elected as such committee.

John Mulvany, John Kennedy, Thomas Bunker, Thomas vance, and Marcus Hughes were elected as such committee.

At the Mining Company of Ireland meeting (Sir R. Kane presiding) the report did not present many satisfactory features. In the Knockmahon Mines there was a diminution of produce of 105 tens, and in the copper market a further depression, resulting in a loss of 4484. There were set-offs in other branches, but on the whole a loss amounting to 1800l. on the transactions of the half-year. The Chairman, in the course of his statement, referred to a transac-

tion which has caused considerable dissatisfaction. Some time ago Mr. Puxley the owner of the Berehaven Mines, expressed a desire to part with them, and offered them to this company. Two competent mining captains and the secretary were sent down to report upon the value of the property, and a favourable account was returned. A sum of 100,000? was required for the purchase. Some hesitation ensued, the amount being large, and the board mwilling to act in a hurry without the sanction of the proprietors. It was at length proposed that the board should not, as representing the company, make any offer for the mines but that some members of the board should purchase the property in their own names. Some gentlemen came forward, and the secretary was ordered to put himself into communication with them. Negotiations were commenced at the end of April, and there was no further record of the matter until August. Meanwhile they began to get dissatisfied with the secretary, who thereupon tendered his resignation. They refused to accept it until he answered certain questions. It was then discovered that the Berchaven Mines had been purchased by the late secretary and some other gentlemen, including some of the directors, and that they not only paid the full price asked, but 25,000?, to the persons who had been the agents in effecting the purchase, which was found to be more valuable than they had been led to believe. The result is the filing of a bill in equity to transfer the contract to the company.

than they had been led to believe. The result is the filing of a bill in equity to transfer the contract to the company.

The NORTH STAR GOLD MINING COMPANY, with a capital of 225,000%, in shares of 10% each, has been incorporated under the Companies Acts, for the purpose of working certain mines in Nevada, about 60 miles from Sacremento, and 12 miles from the Central Pacific Railroad. The mines are now, and have been for some years, in successful operation, and have since their commencement provided the capital requisite for their own development, including all necessary outlay for machinery, plant, &c., and returned more than 125,000% to their proprietors. The average yield of gold is from 1½ to 1½ oz. to the ton of quartz, whilst the total expenses of mining and extraction do not exceed 3% 2s. 6d. per ton. The purchase-money is fixed at \$1,000,000, or 2000,000%, one-fourth of which is to be paid in cash, and the remainder in fully paid shares of the company. The property is capable of being developed on a much larger scale than at present, and the yield of gold might be at once increased by the erection of additional stamps heads—there are at present only 24. The property has been carefully inspected and reported upon by Prof. Silliman, the highest authority in the United States, and very encouraging reports have likewise been made by Mr. J. A. Phillips, Mr. David Forbes, F.R.S., fully confirms the statement of Mr. Coulter, the acting vendor of the mines. The directors, brokers, solicitors, and other officers of the company, enjoy a high reputation in commercial circles; and, altogether, the undertaking must be regarded as having been introduced under the most favourable auspices. The prospectus will be found in another column of this day's Journal.

At East Pool Mine meeting, on Monday, the accounts for October and November showed a credit balance of 672L. A dividend of 640L (8L per share was declared. [The agents' report is among the Mining Correspondence.]

At Cwm Erfin Mine meeting, on Dec. 16, a dividend of 4331. 10s

(10s. per share) was declared.

At Bronfloyd meeting, on Monday (Mr. Henry Hutton in the chair), the accounts, of which we gave a synopsis on Jan. 2, were passed, and from the balance of 1293t. a quarterly dividend of 10s, per share, being 16 5-56ths per cent. per annum was declared, payable on the Jan. 30. A gratuity of 10t was unanimously voted to Capt. Kemp, as recommended; and the retiring directors and auditor were severally re-elected.

At Marke Valley meeting a dividend of 5s, per share was declared a balance of 28701. carried forward.

At East Caradon Mine meeting, on Wednesday (Mr. R. W. Childs At East Caradon Mine meeting, on Wednesday (Mr. R. W. Childs in the chair), the accounts for the three months ending November showed a credit balance of 19591. 16s. 9d. Capt. John Truscott reported that he considers their chances of success for the future of a very encouraging character. Since the meeting information has been received from the mine that Child's lode has been reached at the 90, and is worth, for the 2 ft. cut into, 12t. to 15t. per fm. At Llywernog annual meeting, on Monday (Mr. Alexander Bridge in the chair), the accounts were passed, showing a balance of assets available for the prosecution of the undertaking of 26tl. 18s. A call of 10s. per share was made, and a resolution passed to issue pro rata the 90 unappropriated shares

At the Penhale Wheal Vor meeting, yesterday (Mr. Holroyd in the hair), the accounts showed a balance of liabilities over assets of 1104t. 6s. 8d. call of 10s. per share was made. Details in another column.

At the Bryn-yr-Owen Colliery Company (Limited) meeting, on uesday, it was resolved unanimously that Mr. Henry Thomas be appointed quidator for winding-up the affairs of the company, in the place of Mr. John hillips, deceased.

Phillips, deceased.

At the Royal Copper Mines of Cobre special meeting, on Wednesday (Mr. Pascoe C. Glyn in the chair), the resolutions passed at the special general meeting, held on Dec. 23 last, to wind-up the company and appoint liquidators was read, and it was resolved that the same be confirmed; and it was further resolved that in the opinion of the meeting it was desirable that the winding-up should be subject to the supervision of the Court. The thanks of the meeting were then given to the Chairman and directors.

Intrier resolved that in the opinion of the meeting it was desirable that the winding-up should be subject to the supervision of the Court. The thanks of the meeting were then given to the Chairman and directors.

At the Val Antigoria Gold Mining Company adjourned meeting (Mr. Fisher in the chair) it was stated that advantage had been taken of the presence in Italy of Mr. Arthur Dean, who had thoroughly laspected the mines, and the report which he had prepared was now before them. The uncalled capital amounted to 10s, per share (10,000.), and the unpaid calls amounted to 2000. Each the total assets were 12,500., against which there were liabilities of about 2000f. Mr. Dean had stated in his report that by the expenditure of 2000. Per annum for two years the mine could be placed in a position by which Mr. Dean computed profits would be realised. In addition to this, there would be the ordinary mine cost, which might be estimated at about 1000. Per annum ; but Mr. Dean was of opinion that at the expiration of the first year from the present time such a stage of development would have been arrived at as to enable them to determine more conclusively as to whether the operations were likely to be successful. After carefully considering the matter, the directors had come to the unanimous opinion that the operations should be continued, in accordance with Mr. Dean's recommendatious, and each member of the boardheid a very large stake in the company—amounting in the whole to one-fourth of the entire capital—he need hardly say that their determination had not been come to without mature deliberation. As far as the directors were concerned, they were perfectly willing to allow their remuneration to depend upon the result of the development. Mr. Dean explained at some length the position and prospects of the mines. Having referred to the leading characteristics of the several lodes, he stated that at the No. 1 Mine there were three parallel lodes, called the Nos. 1, 2, and 4 lodes, which were intersected near to the surfa

horizontal area, with the exception of the narrow water spaces by which it is surrounded. The side and back outside plates are extended downward sufficiently to leave a space under the grate for an ash-pit, and for the admission of air from the front. In the front an ash-pit, and for the admission of air from the front. In the front of the boiler is the door for supplying the fuel, having its lower side nearly on a level with the top of the grate surface. It is made double, and perforated for the admission of air above the grate; and the quantity admitted may be graduated by a side. At the opposite end is an opening through the water space, as near the arch of the fire-place as it can be conveniently placed, communicating with the combustion chamber formed by the back breeching, which covers and connects this opening and the back end of the tubes. The tubes pass through the boiler in the water space above the crown-sheet, and open into another breeching on the front. Above these tubes, and, of course, above the water level, in the steam-space is an additional set of tubes for superheating the steam, by passing the heated gasses from the front breeching through them, before reaching the chimney, instead of allowing them to escape direct. In the bottom of the back breeching is an opening for the admission of air, which closes with a door or slide, by which the amount of air admitted is gradu-

ated according to the kind of fuel that is used. In the back breeching, opposite the opening from the fire-place, and between it and the back end, is placed an Iron diaphragm-plate for the flame to impline upon as it comes from the fire-place, which saves the back of the breeching from the action of the intense heat at that point, and serves as a heater to raise the temperature of the air entering through the openings below and passing over its back surface, before it comes into contact with the gas from the fire-place. The water-legs are braced and connected in the usual manner by screw-braces or socket botks, and the crown-sheet and shell are connected and stayed by braces radiating from the crown-sheet, and the sides of the shell by braces passing from side to side, above, below, and between the tubes. The ends, above the tubes, are connected by braces passing through the length of the boiler. The back breeching is made of two thicknesses of sheet-iron, and the space between them is filled with calcined plaster of Paris, to prevent the radiation of heat. The portion opposite the tube ends forms a door, which swings down for the convenience of cleaning the tubes; and any deposit coming from them is discharged through the air opening below, and in the front breeching through an opening in the bottom, closed by a slide, which also serves as a damper to check the draught.

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TO CAPITALISTS.

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ASSISTANT MANAGER and BOOKKEEPER at a Mine. Has had
live years' experience. Would have no objection to go abroad.
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ANTED,—A CONDENSING PUMPING ENGINE, on the Cornish principle, of from 60 to 80-horse power, with BOILERS, com-

Full particulars, as to size of piston, length of stroke, price, &c., and distance from railway station, to be forwarded to Capt. J. Kitto, Belle Vue, Shrews-bury, not later than Monday, the 25th January inst.

WANTED,—A 70-inch cylinder STEAM PUMPING-ENGINE, with TWO BOILERS of 10 or 11 tons each, fittings, &c., complete. Must be in first-class order and condition. State full particulars, situation, and price of same, to J. H. MURCHISON, Esq., 8, Austinfriars, London, E.C.

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WANTED, TO PURCHASE, a SECONDHAND PUMPING and WINDING ENGINE of 30-horse power; also a WINDING ENGINE of 20-horse power, with 50 fathoms of 8-inch pit work, cages, pullies, &c. Apply. Upper Elab Colliery Company (Limited), 12, North-buildings, Broad-street Terminus, London.

ON SALE,—An EXCELLENT SLATE QUARRY, called the WAUNFAWR SLATE QUARRY, situated near HARLECH, NORTH the Festining slates.

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Geology,-King's College, London.

PROF. TENNANT, F.G.S., WILL COMMENCE a COURSE of LECTURES ON GEOLOGY on FRIDAY, January 22, at Ninc A.M. They will be continued on each succeeding WEDNESDAY and FRIDAY at the same hour. A SHORTER COURSE will be given on THURSDAY evenings, from Eight to Nine: first lecture, January 21. Text book, Lyell's Elements of Geology. Prof. TENNANT accompanies his students to the Public Museums, and to places of Geological Interest in the country. He gives PRIVATE INSTRUCTION in MINERALOGY and GEOLOGY at his residence, 149, Strand, W.C.

LEAD ORES. Purchasers. Shield and Dinning, ditto Panther Lead Co. Runcorn Company. Treffry's Executors. Stock and Co. ditto Sims, Willyams, & Co. ditto Walker, Parker & Co. Walker, Parker, & Co. Sims, Willyams, & Co. Runcorn Company. Weston & Collingborn Sheldon, Bush, & Co. Sims, Willyams, & Co. ditto Weston & Collingborn A. Eyton. ditto A. Eyton. ditto Walker, Parker, & Co. A. Eyton. Walker, Parker, & Co. A. Eyton. Walker, Parker, & Co. ditto ditto ditto A. Eyton. Walker, Parker, & Co. ditto A. Eyton. Walker, Parker, & Co. -- North Henblas 6 11 8 6 -- North Henblas 6 11 8 6 -- Altto 2 510 0 -- Haffotty. 6 12 6 6 -- Perryfforddbedw. 13 11 16 6

BLENDE.

Date. Mines. Tons. Price per ton. Purchasers. Jan. 11—Brynpostig 40 £ 2 18 6 H. Southern.

BLACK TIN.

Date. Mine. Ts. c. q. lbs. Price p. ton. Amount. Purchasers. Dec. 31—Prosper United. 5 4 3 9 ...£62 10 0 ...£ 327 11 10—R. R. Michell ditto 1 10 3 0 ... 50 0 0 ... 76 17 6— ditto

COPPER ORES.

NO SALE on Thursday last, January 14.

NO SALE on Thursday last, January 14.

Copper ores for sale at the Royal Hotel, Truro, on Thursday next—Mines and Parceis.—Devon Great Consols 1407—Marke Valley 500—Wheel Crelake 230—West Maria and Fortescue 203—East Caradon 195—Bedford United 180—Kelly Bray 150—Gannislake (Clitters) 116—Prince of Wales 112—Wheal Friendship 109—Bampfylde 57—East Russell 50—Belstone 15.—Total, 3322 tons.

Copper ores for sale at Tabb's Hotel, Redruth, on Thursday week.—Mines and parceis.—Clifford 604—South Caradon 532—Glasgow Caradon 255—Poldice 246—Phenix 199—North Treakerby 164—Oraddock Moor 85—West Caradon 52—Wheal Rose 75—New Treleigh 57—Tywarnhalle 12.—Total, 2341 tons.

A LARGE AMOUNT of MONEY being EXPENDED in ADVERTISING in VORTHLESS PUBLICATIONS, C. H. MAY will be HAPPY to AFFORI INFORMATION to ADVERTISERS in the SELECTION of the BEST and MOST INFLUENTIAL.

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78, GRACECHURCH STREET, CITY, E.C.

Notices to Congespondents.

* Much inconvenience having arisen in consequence of several of the Numbe Juring the past year being out of print, we recommend that the Journal shou be fixed on receipt: it then forms an accountuisting useful work of reference

BITUMINOUS COAL.—Could any of your readers inform me of any coal in Grea Britain with the following proportions in it:—45 per cent. crude oil, 40 per cent. coke, 14% per cent. paraffin, ½ per cent. ammoniacal water = 100.— INQUIRER.

INCURIER.

INCURENT GREAT CONSOLS.—Some months since Mr. J. Y. Watson, F.G.S., in a letter which appeared in the Mining Journal, after expressing a very favourable opinion of this property, stated it to be his intention, during a mining tour he was about to take, to vist New Great Consols, and that he would communicate the result of his visit to the shareholders through the columns of the Journal. May I ask if such communication has yet appeared, and, if so, at what date?—A Shareholder.

CHONTALES.—It seems a pity that the directors do not issue some official statement contradictory of the many damaging statements set on foot by the 'bears'—statements which, if left uncontradicted, cannot fail to warp the judgments of the most consistent shareholders.—ONE INTERESTED.

judgments of the most consistent shareholders.—ONE INTERESTED.
OUTH WHEAL CROFTY.—Like other readers of the Journal, I am much dis
appointed at seeing no reports in the Mining Correspondence respecting thi
mine, in which I hold shares. The only tidings I have seen of it in the Journa
are where it is stated that 28501, worth of copper ore were sold the last thre
months. As the mine has recently entered the Dividend List, and is expecte
to pay handsomely, surely it is not too much to ask the agents that the share
holders should be informed now and then through the Journal how the min
is progressing, otherwise they can have no information respecting it durin
the interval of the four months between its general meetings.—A. C. D.

MINING COMPANY.—In last week's Journal the price obtained for the lot of 47 tons of blende, purchased by Mr. Southern, was stated as 21. 5s. 6d.—it should have been 3l. 5s. 6d.; and in the List of Mining Dividends during the year 1863 the amount for this company was stated as 27.000.; instead of 36,000l. The quarterly payments were in February, 9000l.; May, 9000l.; August, 10,800l.; and November, 7200l.—making 20l. per share, or 80 per cent. on the share capital during the year 1868.

on the share capital during the year 1868.

PRINGE OF WALES MINE.—Seeing that these shares continue to decline in market value, although I am perfectly aware that for the time the market, so to speak, is in the hands of a syndicate formed for the purpose of knocking down the price, I would respectfully suggest to the committee the desirability of having the mine inspected by some acknowledged authority, whose report would be reassuring to the shareholders. At present the anti-shareholders have it all their own way, but I think the time has arrived, and I speak as a shareholder, that those interested in the property should have their "inalugs." It is true that the very fluctuating character of the lode, particularly in the 55 fm. level, affords ample opportunities to the operators to play out successfully their profitable game of "ducks and drakes;" but this is the strongest reason that can possibly be urged in favour of bona fide shareholders availing themselves of the undue depression and infiation to which these shares are subjected. I hope my suggestion as to an accredited and disinterested opinion being obtained will receive the attention of the committee, and I cannot help thinking that as our purser, Mr. Jehu Hitchins—whom all know to be an authority of no mean order—has recently visited the mine, it would have been at least satisfactory to the shareholders had the result of his inspection been made known.—A SHAREHOLDER.

THE MINING JOURNAL Bailway and Commercial Gazette.

LONDON, JANUARY 16, 1869.

MINING IN SOUTH STAFFORDSHIRE.

The account which we give in the Supplement to this week's Journa of what took place at Dudley, on Monday, in connection with the second annual meeting of the Incorporated Association of Mine Agents of South Staffordshire and East Worcestershire will be read with interest by those connected with collieries in other districts as well as South Staffordshire. Attention has recently been directed with much conspicuousness to that part of the kingdom, and state with much conspicuousness to that part of the kingdom, and statements have been made with much prominence which have not been calculated to increase the estimate in which it is held on account of the scientific attainments peculiar to certain classes of the coal winners there. On that account the meeting on Monday possesses more than usual significance. Like all old mining districts, South Staffordshire has had to suffer from precedents not of a class best suited to the practice of economy; and its honeycombed character has led to the splitting up of the field into small takings, by which a further hindrance to its development upon the most approved methods has resulted. It is, however, evident that the modern mining engineers of that district are not content to lag behind in the march of progress.

hindrance to its development upon the most approved methods has resulted. It is, however, evident that the modern mining engineers of that district are not content to lag behind in the march of progress. The intensely appreciative interest which was displayed in every step of the explanation by Mr. BIDDER of his very valuable machine for the breaking down of coal was conclusive of the promptness with which they were able to recognise the points of merit which the machine possessed, and the gratification which its existence evoked was proof of their desire that improved apparatus should be placed within their reach. In this respect the men of South Staffordshire are not behind their fellows in other parts of the kingdom. We learn that during the Christmas holidays as many as 100 persons interested in the working of mines examined Mr. BIDDER's machine at the Institute of Civil Engineers. The managers of the Staffordshire Association are to be congratulated upon the boldness of the effort which resulted in their securing the use of the machine whilst it was still before the Civil Engineers. The Engineers acted kindly, and like true lovers of science, in permitting it to be taken to Dudley, even for so short a period as a day, and in sanctioning the delivery by Mr. BIDDER of his paper in illustration of the invention. An official acknowledgment of the considerateness alike of the engineers and of Mr. BIDDER was ordered by the Mining Engineers at the close of their meeting. It was accompanied by the expression of the belief of the Association that the machine would prove of very great value to the mineral interests of the world, as well as in preventing a deterioration in the worth of the product as in the saving of life.

The wisdom of management was again conspicuous in the character of the paper which was the second in attractiveness and important of the paper which was the second in attractiveness and important of the product as in the saving of life.

tion in the worth of the product as in the saving of life.

The wisdom of management was again conspicuous in the character of the paper which was the second in attractiveness and importance. It is impossible to resist the conclusions which thoughtful men amongst our mine Inspectors, mine managers, and meteorologists have arrived at respecting the joint barometrical and thermometrical influence upon the ventilation of our fossil fuel mines. The paper jointly contributed by Mr. Plant, of Birmingham, and Mr. Henry Johnson, the hon, secretary of the Association, upon this subject, was well-timed and impressive. Mr. Johnson had, in a very subject, was well-timed and impressive. Mr. JOHNSON had, in a very brief time, prepared legible diagrams, showing, on a large scale, the simultaneous fall in the barometer, and the rise in the thermometer, which occurred at the time of six of the explosions dilated upon in the paper. During his investigation of the data which Mr. Plant had accumulated, the hon. secretary had, he told the association, observed the same invariable indication of danger in connection with other explosions than those which he had sketched. He alluded to a falling barometer and a rising thermometer. These instruments are in use in some of the pits in South Staffordshire and East Worcestershire; but they are not generally to be found there. The directors of the association, in order to assist those of the members who are not using these tell-tales to note the atmospheric fluctuations. are not using these tell-tales to note the atmospheric fluctuations, have resolved to distribute to all the members a useful little book, with the title of "How to Use the Barometer," which the Rev. R. TYAS, F.M.S., has got out. Connected with it are diagrams on which the possessors may note their own observations, and so keep constantly before them the information which both instruments jointly furnish. The manager of this and other similar associations, which are only young in years, would do well to use their influence with the proprietors of the local daily papers in their respective districts, with a view to the publication, every morning, of a meteorological report, somewhat after the fashion of that in the *Times*. From such information men might construct their own diagrams, and an interest in

the work would be invoked which would soon lead to the personal possession of the instruments. Let thought and deliberation be inspired throughout the different ranks of our mining population, and, however produced, it will prove most efficient in economical, in industrial, and in humane efforts below ground. Whilst upon this point, let us express our satisfaction that the directors have determined that the association shall possess the highly valuable Transactions of the North of England Institute. For these the association was a constant to the product of the second the constant the will be circulated. tion will subscribe, and as often as they appear they will be circulated amongst the members.

amongst the members.

The other two papers read both possess that trace of worth which is inseparable from all valuable communications of their kind—they are impregnated with encouragement. Mr. BLAKEMORE assures the world that this nation has yet an abundant reserve of fuel, and that his own district in particular has in it many long years of life—a life which may be measured, others equally informed believe, by as long a time as that which has elapsed since it first appeared amongst the coal and iron-producing centres of this realm. How long that is since may be inferred from the interesting relics of the "old men," which were shown to the "moderns" at the meeting. Mr. SKIDMORE has no less confidence with relation to the future supply of

which were shown to the "moderns" at the meeting. Mr. SKIDMORE has no less confidence with relation to the future supply of
the clay, which is a great item in the wealth of East Worcestershire.

Another pleasing feature which characterised the meeting was the
absence of all littleness. There was no trace of petty rivalries—no
seeking after office, all were working together with one common end;
each had confidence in the other, and everyone combined to render
honour to whom honour is due. The spontaniety of the feeling which
desired to find expression in the making of a gift to the hon. secretary must have been most gratifying to that officer. As indicative
of the unhesitating confidence which the whole Association, as represented at the meeting, feel in him, nothing could be more conclusive; the fear seemed to be, not that the directors would spend too
much money in marking the sense which the 100 mining engineers
entertain of Mr. JOHNSON's services, but that they might not be as
liberal as the members desired. The services which Mr. JOHNSON
has rendered to the men of his own order would not seem to be confined to what he has done as secretary of the Incorporated Association. Other said was recognised at the close of 1864, when they presented him with one of Troughton and Sim's gravat levels, worth sented him with one of Troughtton and Sin's gravat levels, worth 25l., accompanied with a purse of 50l., all expressive "of their regard and esteem, and in testimony of services rendered to the mine agents of South Staffordshire." During the two years that the Association has been incorporated it has effected much good, and has given an impetus to professional study, which was not before so readily to be observed. We have one suggestion to offer for the consideration of the distance. readily to be observed. We have one suggestion to offer for the consideration of the directors. The object of their combination is, we presume, the improvement of the mining of South Staffordshire and presume, the improvement of the mining of South Staffordshire and East Worcestershire. Now, it is notorious that very much in this direction depends upon what the butties or chartermasters do in their peculiar departments; and it is also a fact that owing to in their peculiar departments; and it is also a fact that owing to the small takings, before noticed, these men have oftentimes to undertake responsibilities which elsewhere devolve upon men of higher trade education. The butties, therefore, ought to be able to avail themselves of the advantages of the Association. These at present are confined to mine agents and mining engineers, but why not extend them to the butties? Our suggestion is that the butties should be declared eligible for membership. If there are any good men amongst them the Association would draw them out, and everyone of them would have an opportunity of increasing his trade value. The mining engineer under whom he works might then expect his orders carried out by a more intelligent overlooker, and, therefore, with less inaccuracy; and the colliery proprietor would be benefited in the greater care which would be taken of his property. We observe that a similar course to that which we now recommend is likely to be taken by the Mining Engineers' Associations of Yorkshire and Lancashire, whom in this matter, as in some others, the Staffordshire men would do well to imitate. Such an accident as that which occurred at the whom in this matter, as in some others, the Staffordshire men would do well to imitate. Such an accident as that which occurred at the Rainford Colliery, described in another column, and to be more particularly noticed at the close of the inquest upon the deceased in that case, may show how beneficial such action by the mining engineers as we now recommend may hereafter prove. In conclusion, the Association appears to us to merit somewhat more support than it gets from the employers. Of these only a few have as yet given their agents the practical sympathy of joining them as honorary members. It may well be hoped that in the ensuing year the number of honorary members of this class will be increased. We bid the Mining Agents' Association of South Staffordshire and East Worcester-Agents' Association of South Staffordshire and East Worcester shire "God speed." The co-operation which institutions of longer shire "God speed." The co-operation which institutions or longer standing and greater mark are ready to show them is noticeable in the conduct of the Civil Engineers in the matter of Mr. BIDDER'S machine. By this encouragement, and their own past success, let them be stimulated to aim high, and the good-results will be signal.

MODERN IRONMAKING.

The evidence presented at the end of our remarks last week on "The Coal and Iron Trades," of the progress of the iron industry of the United Kingdom, is very significant. At no previous time in the history of that craft was there displayed so much attention as now to the adaptation of improved machinery to the manufacture of iron, as well into its crude state from the ore as into the finished article from the crude metal. The fact merits attention at our hands, at a moment when we find the relative capabilities of our own and other coun ment when we find the relative capabilities of our own and other countries in this branch of industry occupying so great a space in the columns of non-professional newspapers, and when such men as Dr. PERCY and Mr. ISAAC LOWTHIAN BELL come forward simultaneously in defence of the continued pre-eminence of the birthplace of the iron trade. It is notorious that the leading continental establishments, wherever they have excelled us, have succeeded through the excellency of their machinery. This has resulted, not from the fact that they are better ironmakers, but from the circumstance that they have begun at the point at which, after long years almost of groping, without much scientific light, they found the British ironmaker had arrived; at a time, furthermore, when science was coming to the aid of the ironmaker here, but which, owing to his previous outlays, he could not avail himself of to the extent that would have been the case if he, too, had been commencing de novo. Still in all cases in which men started in the trade at about the same time, in this country, similar evidences of proficiency mark the mechanical arrangements. milar evidences of proficiency mark the mechanical arrangements. This, together with what their continental opponents have done, combined with a necessity for meeting the advancing wants of the age, is compelling firms who have been a long time established to take care that in every alteration or addition they are guided by modern experience.

There are few persons having a knowledge of the iron trade but are aware of the great serviceableness of the Universal Mill, an invention of British origin, but of continental application. Foremost of the firms by whom this machinery has been used are the French ironmakers, Messrs. Petin, Gaudet, and Co. The Universal Mill, which has been made in South Staffordshire-a part of the kingdom from which the bulk of iron works' machinery goes, as well to the continental as to home establishments—is not intended, in the first place, for the rolling of the massive beams of which so much has been made by writers upon the Paris Exposition (who have but a partial know-ledge of what is required at home, and, therefore, of what it would be profitable for an ironmaster to make), but for the production of those goods for which there is a demand. So soon as there is a want of other articles which can be best turned out by such machinery, then, as we have not seldom intimated in the Mining Journal, the British ironmaster will show himself possessed of sufficient enterprise to send them into the results the results. them into the market.

It is still more satisfactory to find that proprietors of finished iron works are fast abandoning the custom of making their own machine castings, as also of laying down mills under the direction of other castings, as also of laying down mills under the direction of other than mechanical engineers of foremost standing in that department of their profession. The economy of what would, by some, be regarded as a heavy first cost, is becoming increasingly apparent as the result of the working of machinery of that class is bruited. Owing mostly to the defects in the laying down of the machinery chiefly in use in the old districts, gearing and engines have to be used of a weight and power disproportionately massive to the work to be done. Hence results an increase in cost in every item of working

expenditure. Then, the loss from stoppages, consequent upon the breaking down of such machinery, is a very serious item in the mainbreaking down of such machinery, is a very serious item in the maintenance charges. Our ironmasters are now, more than at any previous time, the customers of our leading machinist firms; and the makers of iron-rolling as well as iron-smelting apparatus of the very best class were scarcely ever better off for work than they are at this moment. Gearing moulded with an irreproachable adaptation of strength to duty required, and with an interlocking accuracy rarely to be seen, is now in process of construction, which, when it is at work in the mill and forge, will revolve with a noiselessness thought to be impossible by men who have passed their lives amidst the intelerable rumbling common in too many iron mills.

Such machinery having been got into general use, we shall no more hear of twists so prodigiously powerful as to snap through a 15-inch shoulder of the shaft of a driving-engine in one of our mills—a cause from which, at this hour, a large portion of one of the finished iron

from which, at this hour, a large portion of one of the finished iron works of this country is standing, and will, of necessity, be for some time standing. Nor shall we hear of one firm having, in its two works, as many as three of its departments at a stand, in one instance three weeks, by reason of breakages; yet this, too, has happened only re-cently. Less time will now be lost in the changing of rolls; for there will not be the rapid exhaustion of certain mill appliances due to the want of "truth." Example: eight housing pinions a year (which is a common proportion) should not have to be used. To our knowledge, one pair has been down that time, and is likely to remain down some months longer, in well-adjusted first-class mill machinery, now

in constant operation.

The effect of the "progress" which our steel makers are displaying has been, we are assured in an influential quarter, to reduce recently the extent of the competition on the part of continental firms in our the extent of the competition on the part of continental firms in our home market. We hope it may be so; yet very much fear that the falling off in the import of such commodities is due rather to the increased demand at the works of our opponents than to their inability to compete; especially when we learn, as now, that Sir John Brown and Co. (Limited), though tendering at 484% for a lot of 693 hammered buffer-pistons for goods trucks, and at 499% for a similar lot, for a Belgian line, were unsuccessful; and when, further, the Newcastle-on-Tyne Iron and Coal Company tendered at 240,000%, the Butterley Company at 204,000%, Messrs. T. Brassey and Co. (Birkenhead) at 198,532%, and Messrs. VIGNOLES (London) at 168,750% for the construction and erection of a great bridge on the Dutch State Railway, which Messrs. VLESSINGEN and VAN HEEL, of Amsterdam, have undertaken to do for 146,674%. The evidence on such matters, only six months ago, of Mr. C. F. Beyer (of Messrs. Beyer and Peacock, of the Gorton Foundry, Manchester), and of Mr. John Robinson (engineer of the Atlas Works, in the same city), already noticed in the Mining Journal, must not be thrust aside by enquirers after the truth; and only evil can result from indulging in a false trade patriotism. But there can be no doubt that the aid which our British ironmasters are now deriving from the wider application of sound mechanics to the presention of the industry will help, them the such as the same city, already noticed in the presention of sound mechanics to the presention of the industry will help, them the procedure of the presention of patriotism. But there can be no doubt that the aid which our British ironmasters are now deriving from the wider application of sound mechanics to the prosecution of their industry will help them to carry with less impediment the heavier cost-of-labour-burden with which, in the race with their continental rivals, they are weighted—for, to the very practical result of reducing our cost of production must every improvement immediately tend, if its adaptation is to be of any real service.

THE SUPPLY OF COAL TO LONDON BY RAILWAY.

THE SUPPLY OF COAL TO LONDON BY RAILWAY.

That to the development of the railway system in Great Britain is due in no small degree the opening out of new and extensive coal districts, and the consequent cheapening of so important a product as coal, admits of no question; so that whilst colliery owners have been greatly benefited by the expeditious means afforded them of exporting their mineral, the railway companies have also gained largely by the traffic. The question has now resolved itself into one as to whether the inland coal carried by railway can compete with that sent over sea by the swift screw steamers, which convey the produce of the mines of Durham and Northumberland to London? Up to last year the railways had decidedly the best of their Northern opponents; but the falling off in 1886 of the coal carried by railway has been of such a marked character as to require special notice. One of the principal causes is attributed to the rates charged by the Great Northern from the South Yorkshire district, where there is a house coal of excellent quality, and a great favourite in the London market. Another is the the South Yorkshire district, where there is a nouse coat or excellent quality, and a great favourite in the London market. Another is the disputes which have occurred in several districts, by which the prin-cipal pits were only very partially worked. Still, with all the drawbracks from strikes, lock-outs, and the limi-

Still, with all the drawbracks from strikes, lock-outs, and the limitation of produce by the men preferring short hours, there is something really extraordinary in the proportions which the traffic in minerals to London has assumed within the last 12 or 14 years. At the present time Derbyshire supplies the largest quantity of inland coal, the carriage of which is shared in by several of the leading lines of railway. Clay Cross, from which before the opening of the North Midland line not a ton was sent across the ridge which runs to the road, now sends away something like 600,000 tons annually, and last year sent to London no less than 292,471 tons, against 77,911 tons in 1854. Therefore, although there was a great falling off in the trade to the metropolis last year when compared with 1867, yet, on looking back, we find that the entire quantity of coal carried into London by railway in 1855 was 1,137,835 tons, whilst during the next 10 years the carriage was more than doubled, the returns for 1865 amounting to 2,733,066 tons. The first return given by the Midland, in 1858, showed that in that year it carried to London only 5746 tons, and 10 years later, in 1855, it is credited with 152,737 tons. During the same period all the lines having termin in London increased their carriage to a truly enormous extent, as will be seen from the following figures: period all the lines having termine in seen from the following figures:
1855.
1865.

London and North-Western ... 1865. 1

portant locality were all but closed. This will be apparent when it is seen that the Wigan Coal and Iron Company sent by the railway named, in 1867, no less than 122,391 tons of coal, whilst last year, owing to the dispute, it only forwarded 63,238 tons. Looking, however, to the vast increase in the quantity of coal carried southwards by rail during the past few years, there is no reason why it should not go on progressing at the same rate for the next decade, more especially should there be any considerable improvement in the iron trade. At the present time the extent of the northern coal fields are well defined, whilst those of Yorkshire and Derby, particularly the former, are as yet unexplored, and, as has been stated by a very high authority, it "must be for the enterprise of 100 years to come to test the extent of the next field of wealth now reposing under that mighty authority, it "must be for the enterprise of 100 years to come to test the extent of the next field of wealth now reposing under that mighty formation—the Magnesian Limestone." The field is now being gradually opened out, and from the unlimited quantity that can be supplied, and with a fair rate by the various lines of railway, there is little doubt but what sea-borne coal will have to give way, as it has already done, to that carried by land.

The Midland Railway, which has now its own rails into London, may be expected to rank with the leading companies, so far as regards mineral carriage to the South. It has the great advantage of being considerably nearer to London than either the Yorkshire or Lancashire coal fields, whilst it has a very good quality of house fire coal—the black shale. That seam runs through the entire coal field,

being the same as the Yorkshire Silkstone, but rather inferior in quality, and is worked at Alfreton, Clay Cross, Staveley, and other places. The Great Eastern will also largely increase its traffic in coal from the facilities afforded by the new depôts at Whitechapel, and which will be of considerable benefit to colliery proprietors. Already, we understand, the whole of the arches, 51 in number, have been taken; and, as the company have running powers over the Great Northern, the Manchester, Sheffield, and Lincolnshire, and other lines, it will be a formidable competitor with the principal railways, which have hitherto divided the carriage, and will doubtless obtain its share.

ways, which have hitherto divided the carriage, and will doubtess obtain its share.

Seeing that there is now every prospect of the carriage rates to London and the South undergoing a thorough change, with a view to ageneral reduction, the rusult, there is every reason to believe, will be to the advantage of the public, who always benefit by competition, and also to the inland coalowners; whilst the various companies will have to confine their operations more to the coal districts through which their lines pass, or to which they have the easiest access.

MINING, METALS, AND MINERALS-PATENT MATTERS.

BY MICHAEL HENRY, Patent Agent and Adviser, Memb. Soc. Arts, Assoc. Soc. Eng.

Patent Agent and Adviser, Memb. Soc. Arts, Assoc. Soc. Eng.

Mr. W. F. Batho, of Birmingham, has recently specified a patent for machinery for planing or shaping metals or other materials. He proposes to mount a number of spindles in a framework, by preference horizontally, and radiating to a fixed point in the centre of the frame. All the spindles are driven simultaneously by bevel gearing. Each spindle carries a cutting-tool, similar to the roughing-out drill used in the slot-drilling machine. Each cutter is placed at right-angles to its neighbour. The article to be operated upon is carried between centres, or spindles, supporting vices connected with a top and bottom frame. These frames are attached together by three upright shafts, which work in bushes in the main frame. This tripod frame receives vertical feed-motion by means of a screw, or rack, driven by gearing. Sometimes a combined rotatory and vertical motion is given to the article operated upon by the cutters, which then form inclined, or spiral, surfaces upon such article.

Mr. Dixon, of Sheffield, proposes, according to his specification, to construct a coupling-link by welding a piece of iron or steel wire into a ring. He superimposes two or more such rings, and heats them to a red heat. He elongates them on each other in this condition, and twists them together by two pins, which, at the same time, form the

twists them together by two pins, which, at the same time, form the eyes of the link.

Mr. C. D. ABEL has specified (as a communication from Mr. Pem-Mr. C. D. ABEL has specified (as a communication from the factorion betton, Pennsylvania) a process for manufacturing alum; according to which he mixes hydrate of alumina with sulphuric acid and water in the requisite atomic proportions necessary to form the neutral, or slightly basic, sulphate of alumina, taking care to use a quantity of water only enough, or but little more than enough, to afford the water of crystallisation required.

Mr. A PRINCE specifics (as a communication from Mr. Brown, Phi-

water of crystallisation required.

Mr. A. PRINCE specifies (as a communication from Mr. Brown, Philadelphia) a method of making metal castings. He claims the application to the wrought metal of a coating of nickel, or other metal having requisite properties of resistance to the effects of molten cast metal in contact with it, thereby protecting wrought metal from the injurious effect of cast metal in contact with it in the moulds.

It may be interesting to inventors to learn that the number of application of applications of a private when the properties of a private control of a private cast metal.

It may be interesting to inventors to learn that the number of applications for British patents during the year just concluded exceeded very considerably that of any preceding year. The official list shows that no less than 3991 applications for patents have been made. The tabulated comparative statement in the "Inventors' Almanac" shows this to be an increase of 268 over the applications in 1867, of 536 over those in 1866, and of 615 over those in 1865. This is a satisfactory and practical reply to the carping pessimists who some years ago boisterously inveighed against the propriety and popularity of the Patent Law. If a patent was not a boon to the inventor it is singular that no less that 3991 patents should be applied for in one year, an average of nearly 13 per diem. one year, an average of nearly 13 per diem.

SAFETY-CATCH FOR WIRE-ROPE GUIDES .- Mr. Thomas Pasfield SAFETY-CATCH FOR WIRE-ROPE GUIDES.—Mr. Thomas rasneid, of Coneygre Colliery, Tipton, has devised an improved catch (applicable when wire-rope conductors are used), which has been in successful application at that colliery for several months. The catch consists of a block, nearly square, through one side of which the wire guide passes, whilst at the other side there is a pin, which carries a plate, one end of which is a grooved segment of a circle, hung eccentrically, and the other a tail, by means of which the groove is pulled off the guide when the winding rope is tight. When the rope slackens, from breakage or otherwise, the grooves tighten on the guide, and prevent the cage falling. There are springs to cause it to act more quickly.

COAL OIL, &c.—It may not be generally known to our readers that an Act was passed in July, 1868, which forbids—under a penalty of 5l. sterling—the sale of petroleum, paraffin, diamond oil, naphtha, benzole, or other product of rock oil, coal, shale, &c. (giving off an inflammable vapour under 100°), without attaching to the purchaser's vessel a label, stating that it is dangerous to bring a light near it; and any retailer so neglecting to attach a label of the above nature after Feb. 1 will be liable in the penalty of 5l., as above described.

THE METAL TRADES OF THE UNITED STATES,-The American School of Mines, to the establishment of which, in connection with the Columbia College, New York, we have several times referred, is progressing most satisfactorily, and the executive have now taken progressing most satisfactorily, and the executive have now taken a step which is calculated to prove of great advantage to all connected with the industrial interests of the country. They are using their best efforts to obtain a complete collection of statistics relating to the manufacture of metals throughout the United States; and it is gratifying to find that the circular issued by Prof. Egleston, who so ably fills the chair of Mineralogy and Metallurgy, is being well responded to. Although the Americans are undoubtedly amongst our best customers for metals, no objection can be raised by Englishmen to the collection of the statistics mentioned. They will undoubtedly tend to give a stimulus to the metal trades of the United States by promoting a laudable ambition amongst the manufacturers to take a good position on the list; but, from the beneficial influence this increased energy in the iron trade will have upon the general business of the country, it is unlikely that any fewer orders for metals will reach England than heretofore.

Exports of Railway Iron.—The exports of railway iron in November amounted to 34,611 tons, as compared with 38,966 tons in November, 1867, and 38,474 tons in November, 1866. The figures would not have held up so well in November but for the large exports made to the United States. In the first eleven months of last year the total quantity of railway iron exported was 544,579 tons, as compared with 552,037 tons in the corresponding period of 1867, and 468,615 tons in the corresponding period of 1866. The exports of our railway iron to the United States presented a very large increase to Nov. 30 last year, having footed up to 248,246 tons, as compared with 157,335 tons in the corresponding eleven months of 1867, and 96,814 tons in the corresponding eleven months of 1867, and 96,814 tons in the corresponding eleven months of 1866. The deliveries of railway iron to Russia last year scarcely sustained, however, the promise of 1867, and the shipments also materially declined last year to Poitich Lath. ever, the promise of 1867, and the shipments also materially declined last year to British India. They increased slightly to the British American colonies. The value of the railway iron exported in November was 289,1892, as compared with 334,5052 in November, 1867, and 336,7432 in November, 1866; and in the eleven months ending Nov. 30, last year 4,356,8421, as compared with 4,630,6842 in the corresponding period of 1867, and 3,915,6412 in that of 1866.

COMBUSTION OF SMOKE-PRACTICAL REMEDY FOR THE SMOKE NUISANCE.—At the Association for the Prevention of Steam-Boiler Explosions meeting, on Tuesday, Mr. L. E. Fletcher, the chief engineer, stated that attention having been called to the subject of smoke prevention by the late experiments conducted on this subject at Wigan, by the South Lancashire and Cheshire coalowners, has led this Association to add to its staff the trained stoker who was engaged throughout the whole of the experiments, the object being that he might visit the works of the members, and assist their stokers in introducing a better system of firing. He has now been engaged in

this way for nearly three months, and has compiled a table which shows that he has visited 13 of the members' works, and operated upon 63 boilers, the gross consumption of coal of which has been 1085 tons per week, and 17½ tons per boiler on an average, while the mean rate of combustion per square foot of fire-grate per hour has been 18½ lbs. Under these conditions the average result has been realised of about 12½ minutes of very light smoke, 2½ minutes of brown, and one-third of minute of black per hour, which is certainly very much below the amount emitted from chimneys generally. The conditions under which the trials were made were not by any means the most favourable for success. In some cases the doors had no perforations, in many the area was too limited, while some of the fire-grates were 7 feet in length, which is too long. While, no doubt, more remains to be done to complete this movement, yet it has been seen that much can be accomplished by careful firing alone, coupled with the admission of a little air at the fire-door, which should in all cases be fitted with a suitable sliding grid on the outside, and a perforated box baffle-plate on the inside.

ON COAL-GETTING MACHINERY, AS A SUBSTITUTE FOR THE USE OF GUNPOWDER.

ON COAL-GETTING MACHINERY, AS A SUBSTITUTE
FOR THE USE OF GUNPOWDER.

Mr. C. J. Chubb read a paper on this subject at the Institution of Civil Engineers, on Tuesday, in which it was remarked that the improvements now needed in the art and practice of coal mining might bethusspecified:—First, to ensure greater safety to the men employed in working; and, secondly, to obtain the coal in better condition, and, by preventing as much as possible the loss arising from waste, to make more fully available all the remaining resources of the coal fields. It was contended that the use of gunpowder and the operation of blasting must be altogether abandoned; and the problem to be solved was what force could be applied which should be equally effective, and at the same time break the coal in a more perfect manner. The author thoughtsome more simple and practicable means of getting coal by mechanical power could be devised than the costly, but skilfully contrived, coal-cutting machines. His first idea was to apply wedges, acted upon by hydraulic force, but he was induced to abandon that system, owing to objections to the use of wedges, and to adopt instead an apparatus consisting of twelve plungers, set side by side in a steel bar, which plungers, when acted upon by water from a hydraulic pump, would separate the bar in which they were set from another bar, formed in the shape of a cover upon the plungers. The pressing apparatus was 25 in. long, and it was attached to a hydraulic pump by a tube 2 ft. in length, so that it might be inserted into the coal to a depth of about 3 ft. 6 in. The apparatus, with the cover on, was 4\frac{1}{2}\$ in it is a length, so that it might be inserted into the coal to a depth of about 3 ft. 6 in. The apparatus, with the cover on, was 4\frac{1}{2}\$ in length, so that it might be inserted into the coal to a depth of about 3 ft. 6 in. The apparatus, with the cover on, was 4\frac{1}{2}\$ in length, so that it might be inserted that the plungers were readily brought back to their first position, by op

the rate of 10 tons per man per day, the whole of the coal so obtained consisting of large solid pieces. Again, by the present system, in order to break down 500 tons of coal a day, from a "4-ft." seam, a "face" of 600 yards was required, whether as pillar and stall, or as long work; whereas, with this apparatus, the same quantity could be worked from 300 yards of "face." In this way there would be less space requiring to be ventilated, the working operations could be concentrated, and facilities would be afforded for effecting economy in other respects.

INSTITUTION OF CIVIL ENGINEERS.—At the meeting on Tuesday evening, Mr. Charles Hutton Gregory, President, in the chair, fourteen candidates were duly elected, including two Members—Mr. W. Anderson, President of the Institution of Civil Engineers of Ireland; and Mr. F. W. Kitson, Leeds; and twelve Associates—Mr. C. James Clarke, Leicester; Mr. E. N. Ciliton, East India Avenue; Mr. T. Dyke, Engineer to the Port and Harbour Commissioners of West Hartiepool; Mr. R. M. Greene, Chief Harbour Engineer to the Marino Department of the Imperial Customs Service of China; Mr. Thomas Hennell, Adelphi; Mr. Anthony H. Kessner, late Division Engineer on the Union Pacific Railroad; Mr. F. L. O'Callaghan, Executive Engineer, P. W. D. of India; Mr. Wilson Weatherly Phipson, Adelphi; Mr. Lewis William Pritchard, Engineer to the Western Gast Light Company; Mr. Warwick Stevens, Darlington Works, Southwark Bridge-road; Mr. W. Henry Treverton, Surveyor to the Lewisham District Board of Work; and Mr. Major Vidler, Surveyor and Engineer to the Commissioners of Pevensey Levels.—It was also annoanced that the following candidates had recently been admitted by the Council Students of the Institution —John Addy, John Baumann, John Brunless, Alpin Grant Fowler, Oliver Claude Robson, Robert Sharland, George Stevens, and Joseph John Stiles. INSTITUTION OF CIVIL ENGINEERS.—At the meeting on Tuesday

REPORT FROM SCOTLAND.

JAN. 13.—There is, no doubt, a substratum of reality in the speculations which are taking place in our pig-iron market, by local brokers, for non-resident operators, in the fact that the present demand for all kinds of railway iron and plant is unprecedented in the history of the last 10 years; and all that is required to render present speculation a reality is the continuation of peace throughout the Continent. From almost every continental country comes a demand for rails, and following it, a further demand for iron for bridges, locomotives, wagons, and all the concomitants of railway appurtenance. The present enhanced price of pigs in this market is, undoubtedly, the result of a partial scarcity of warrants, caused by the demand of parties who are becoming holders of stocks for a rise, and who are expecting to reap advantages of a very substantial kind from their present purchases. From the lowest price at the close of Friday's market till to-day there has been an advance of 6d. a ton gained, in a strong market, with a very considerable business doing. To-day a heavy business done up to 55s, 8d. cash, 55s, 10½d. a month, closing sellers 55s, 7½d. cash, 55s, 9d. a month, buyers less ‡ per cent. No. 1, g.m.b., 55s, 9d.; No. 3, 53s, 3d.; Gartsherrie, 63s.; Coltness, 64s.; Calder, 59s.; Kenniel, mixed numbers, 53s.; Almond, 52s. 6d. Stocks have increased 35,000 tons since Dec. 25, in makers' hands. The exports of the week were 6320 tons, against 5580 tons in the corresponding week of last year; while there has only been 645 tons of Middlesborough iron imported in the week, against 3135-tons in the same week of 1868, which is a decrease of 2490 tons on the week. Merchants who would not give out a single ton of bar-iron at the end of the year, though ever so ardently wooed, are now extremely anxious to get makers to take orders for a few hundred tons, at current quotations, but are not successful. Makers do not object to enter orders for a few hundred tons, at current quotations, but are not successful. Makers do There is, no doubt, a substratum of reality in the specuis reserved for quotation on delivery. The advance of from 1s. to 2s. a ton on pig-iron is compelling an advance in manufactured iron of about 2s. 6d. on second-class bars, and from 2s. 6d. to 5s. on plates. Angle-iron is also expected to participate in the advance, although no quotable change has yet taken place. First-class brands of bars, 7t. Railway chairs and pipes are also being quoted rather higher. The Coal Trade is inactive here; and, in a weak and drooping market, sales are but slowly effected. During the week the shipments foreign and coastwise only amounted to 20,365 tons, against 27.425 tons in the corresponding week last year. The general re-

27,425 tons in the corresponding week last year. The general revival which is forshadowing itself in the commerce of this and other lands gives hopes that the coal trade will experience its influence; but, in the meantime, it is to be regretted that miners' wages have begun to be reduced 6d. a day in some of the highest paid districts of Lanarkshire. The future, however, is dappled with hope.

Three cases of contravantion of the Act 23 and 24 Vice can 51.

Lanarkshire. The future, however, is dappled with hope.
Three cases of contravention of the Act 23 and 24 Vict., cap 51, Three cases of contravention of the Act 23 and 24 Vict, cap 51, took place last week, and the parties were tried at Hamilton, before Sherif Veitch. John Semple, miner, residing at Burnbank, Hamilton, was charged with having contravened the above Acts, and also the spectal orders of the overman, by smoking, or by igniting, or having a piece of ignited paper in a part of Greenfield pit, Hamilton, where the locality was dangerous in consequence of the existence of fire-damp. Semple pleaded not guilty. From the evidence it appeared that the section of the pit in which accused and about 30 others were employed was so dangerous that safety-lamps were provided for them, and that smoking or igniting anything was calculated greatly to endanger the lives of

all the workmen—about 150 in number—employed throughout the pit. In deflance of the repeated orders of the overman, Semple had been found smoking in this part of the pit. He was found "Guilty," and in passing sentence the learned Sheriff referred in strong terms to the serious results which might have accused from his carelessness. This being, however, the first case of the kind brought before the Court, he would give the accured the benefit of a fine; but, should he ever be brought up again on a similar charge, he would be sent to prison without alternative. Fined 11, or three weeks' imprisonment.—John Smith, miner, Stonefield, Blantyre, was similarly dealt with for a like offence; and David M'Nair, miner, Stonefield, was found guilty of the same offence, but his offence being somewhat more aggravated he was sentenced to pay a fine of 50s., or undergo four weeks' imprisonment.

REPORT FROM NORTHUMBERLAND AND DURHAM.

REPORT FROM NORTHUMBERLAND AND DURHAM.

JAN. 14.—There is a considerable improvement to be noticed in the Coal Trade in the northern part of Durham. At the Tyne Dock business is getting very brisk, both exports and imports increasing rapidly; so much is this the case that those magnificent docks are now fully occupied and employed, and an extension of them will be required at no distant date. The colliery railways in Durham are also getting more busy, showing clearly that the trade is improving. Of course, the house trade is dull, the very mild character of the season having this effect. The demand for gas, coking, and manufacturing coal has improved most. The Steam Coal Trade in the northern part of the district continues very dull, except at those places where contracts have been entered into; but, as the spring trade may be expected to open out soon, this branch of the trade may be expected to improve shortly. The Tyne drainage scheme progresses but slowly, and a great deal remains to be done before the water is reduced to the level of the High Main seam, where a great amount of coal can be worked. It is expected that the water will be reduced to the High Main in the Hebburn Colliery, in the first instance, and the coal worked there. A report is shortly to be made on the position of this important scheme by some of the most eminent mining engineers of the day.

At the Overtarly Macking of the North of England Iron Trade on

neers of the day.

At the Quarterly Meeting of the North of England Iron Trade, on Tuesday, there was a numerous attendance of gentlemen connected with the iron trade. The sales of pig and other classes of iron were considerable, and prices were as follows:—No. 1, 49s.; No. 3, 46s.; No. 4, 45s.; mottled, 44s. 6d.; white, 44s.—net cash. Makers are tolerably well sold forward at these advanced prices. The manufactured iron trade was reported to be in a better condition, and shipbuilders are decidedly busy.

The following statistics of the Pig-iron Trade of the Cleveland district were issued to the trade on Tuesday, on the authority of the secretary, Mr. Jones, and show clearly the position of this important industry at the present time:—

secretary, Mr. Jones, and snow clear; such industry at the present time:—
THE CLEVELAND IRON TRADE, 1868.—The following list of furnaces has been revised, and a considerable number of furnaces that are either dismantled or are never likely to be again put in operation, without such alterations as to make them practically new furnaces, have been placed in a separate column, and furnaces not likely to be again blown in their present form have been struck out altogether:—

Burnaces Out, but Unlikely to blowing, available, be blown.

Decrease in 1868.....

21,621

and Co. (Limited), engineers, Manchester, showed models of a universal chuck, a portable vice, and a drill, and diagrams of lathes and engineers' tools. Mr. W. S. Fletcher exhibited a draught preventer—a piece of elastic, so arranged as to prevent draughts and rain getting under doorways. A large glass-case of specimens of steel, many of which had been at the late Exhibition at Parls, was exhibited by Fox, Head, and Co. This firm also showed specimens of Jones's (manager of their iron works) patent non-conducting cement, for preventing the radiation or transmission of heat. Diagrams of Jones's patent puddling-flurnace were also exhibited. Mr. J. M. Rimmington and Co., Newcastle and Middlesborough, exhibited Justice's Anglo-American dead-stroke power-hammer. Mr. Jordison, on behalf of Mr. Fairless, of Newcastle, showed some fine portratts of Messrs. Bright, Cobden, Gladstone, &c.

In ernnection with the introduction of steel tools, such as pitmen's picks, sinking backs, malls, &c., manufactured according to the processes lately discovered, we may mention that those tools, composed of cast-ateel of excellent quality, and at a very low price, are just now being introduced into this district by Messrs, Heslop and Wilson, of Dean Chambers, Dean-street, Newcastle. Those picks are perfectly malleable, and easily work to a good point, which stands work undeer than the ordinary picks, the advantage to be derived from their use can be easily imaglued.

on Saturday evening the officials of the Springwell Colliery, at the invitation of the viewer (Mr. Peel), partock of a substantial supper at the house of Mr. Porster, Ship Inn, Mount, on the occasion of the erection of a new ventilating furnace. The chair was occupied by Mr. Peel, and the vice-party Mr. John Parkin. After the cloth had been removed, congratulatory remarks were made by several present on the advanced state of colliery ventilation now, as compared with that of 50 years ago, and the complete success of the new erection.

Two brothers were killed on Monday at Adelaide Colliery, near

Bishop Auckland, under remarkable circumstances. The brothers were hewer one working at the night and the other at the day shift. At ten o'clock o Monday night one was preparing to leave, and the other was about to con mence work, when a huge stone fell upon them, killing them both on the spo Strange to say, the father of the unfortunate young men and another man me their deaths precisely in a similar manner whilst in the act of changing place:

REPORT FROM MONMOUTH AND SOUTH WALES.

REPORT FROM MONMOUTH AND SOUTH WALES.

JAN. 14.—The reports which have come to hand from the various iron-making establishments in this district during the past week characterise the trade as being in a better position than that of any other, and although there is not that activity at some of the rail mills as there was a few weeks ago, the end of the present mouth will, no doubt, witness the employment of hands on full average time. There is a steady increase in the demand for rails, and prices are firmer than they were a short time ago, fresh engagements being entered into with tolerable freedom, 6l. to 6l. 7s. 6d. per ton being the average quotation for rails at the works. The confirmation of list prices at the Quarterly Meeting has imparted increased firmness in the trade, which, it is expected, will be still further strengthened by additional orders from the United States and continental markets. The Russian Government has sanctioned several new lines of railway, and large quantities of iron will be required for the construction of the same. The new Russian tariff still leaves the import duties high, though it makes a reduction of nearly 50 per cent, in the duty on rails. Nearly 11,000,000l. were raised last year for the construction of Russian railways, giving some idea of the extent of the demand likely to take place, if nothing arises to disturb the peace of Europe. The makers of this district have hitherto sent large quantities of rails to Russia, and it is only reasonable to anticipate a stimulus in the demand by the reduction of the import duty. Already a large Russian contract has been distributed among the makers in South Wales, and others are expected to speedily follow. Large quantities of rails are now ready for shipment at the local ports for Mollendo. New York lore. mand by the reduction of the import duty. Already a large Russian contract has been distributed among the makers in South Wales, and others are expected to speedily follow. Large quantities of rails are now ready for shipment at the local ports for Mollendo, New York, New Orleans, San Francisco, Valparaiso, Calloa, Baltimore, Philadelphia, Patras, Salonica, and Alicante, and the demand from the South-West Coast of America will, in all probability, continue good throughout the year, as the opening up of the railwaysystem has just commenced in that country. The home trade continues quiet, but several of the large railway companies are spoken of as likely to be in the market for rails and other materials before many weeks have clapsed. There is a fair demand for bars, and stocks of pig-iron are said to have become greatly reduced. There is a fair prospect of the tin-plate trade attaining a satisfactory position before long, some large orders from the American markets being about to be given out.

The reports which have lately appeared in the Mining Journal respecting the unsatisfactory position of the Steam Coal Trade are fully confirmed by the returns issued for the past month, and which show a falling off in the exports at all the local ports. A favourable change has, however, taken place in the weather during the past week, and already the arrivals of vessels at the local ports are becoming more numerous, and there is some prospect of merchants and shippers speedily obtaining suitable tonnage. France has of late taken by far the largest quantities, and orders from that country are coming in with something like regularity, but a great many are now on the books, owing to the heavy gales which have lately prevailed. From the mail packet stations enquiries are about the average, and from some of the Mediterranean and Turkish ports the demand has slightly increased. The inactivity which has characterised the House

from some of the Mediterranean and Turkish ports the demand has slightly increased. The inactivity which has characterised the House Coal Trade for some weeks past still continues, but should the present fine weather continue a short time longer a large number of coasting vessels is expected to arrive at the local ports, and take in coals for West of England and Irish houses.

coals for West of England and Irish houses.

On Friday se'nnight Messrs. Davies and Sons, ironfounders, Briton Ferry, in conjunction with Mr. Morewood, proprietor of the Galvanised Tin and Terne-Plate Works, Bagian, gave their workmen their annual new year's supper at the Royal Dock Hotel, Briton Ferry. Mr. Isaac Davies presided, and the duties of 'vice'' were ably discharged by Mr. Dawkins, of Briton Ferry. Mr. Morewood, in responding to the toast of his health, said he first came among them 20 years had passed away, and he felt particularly struck with the great advance of trade in that part of the country; but it was owing to the great wealth of minerals underground, brought to bear by the energy and intelligence of those above ground. It was a cheering thing to see masters and men working together in harmony, and that was the only way for all to succeed. (Cheers.) The healths of Mossrs. Davies and Sons were drunk in a like enthusiastic manner, and the Chairman, in responding, hoped they would continue to pult together—masters and men; and if that were done he had no doubt but that it would always be for the benefit of the employer and employed. Toast, aong, and sontinuent animated the meeting till a late hour, every person appearing to thoroughly enjoy himself.

The Dowlais Iron Company, by a timely concession, has averted a

timent animated the meeting till a late hour, every person appearing to thoroughly enjoy himself.

The Dowlais Iron Company, by a timely concession, has averted a strike among the colliers in their employ. The colliers demanded that they should be allowed to have two men of their own to see the weighting properly carried out, the two men to be paid by them. The company at first refused the application, but after a few days conceded the point, and this decision is expected to affect every colliery in Glamorgaushire.

Mr. John Hughes, and the other proprietors of the Landore Tin-Plate Works, were summoned on Saturday last, before the Swansea magistrates, charged with seven distinct breaches of the New Factory Act. The summonses had been issued at the instance of Mr. Mostyn, Sub-inspector of Factories for South Wales. The firstwas for employing, on Nov. 23 last, Sarah Phillips in the works, without having first registered the first day of her employment. The econd summons was for having employed the said Sarah Phillips without having first obtained a surgical certificate. The third summons was for having engaged David Morgan without having first registered the day of his employment. The fourth summons was for having employed the said David Morgan without having first registered the day of his employment. The fourth summons was for having employed the said David Morgan without having first registered the day of the said David Morgan without having first obtained a surgeon's certificate. To each of the above offences the defendants was for employing John Davies without having first obtained the schoolmaster's certificate with respect to the said John Davies. This case was dismissed, the boy not being employed Sarah Morris at the works, without effecting the first day of her employment. This case was proved against the defendants was for having employed Sarah Morris at the works, without effecting the first day of her employment. This case was proved against the defendants, and they were fined 2. and costs.

This case was proved against the defendants, and they were flued 2l. and costs. The arrivals at Swansea include—the Fass Fern, from Carloforte, with 345 tons of calamine, to order; the Titania, from Carloforte, with 370 tons of sinc ore, for Richardson and Co.; the Hercules, from Carrizal, with 448 tons of copper regulus, 84 tons of logs, and 8 tons of copper ore, for H. Bath and Son; the Betsy, from Pomeran, with 188 tons of sulphur ore, for T. W. Parry; the San Fernande, from Coquimbo, with 150 tons of bar copper, 20 tons of logot copper, and 880 tons of copper regulus, for H. Bath and Son; the Epsilon, from Paposa, with 128 tons of copper ore, 414 tons of copper regulus, 206 tons of copper ore, and 55 tons of ingot copper, for H. Bath and Son; the Delaware, from Carloforte, with 560 tons of sinc ore, for H. Bath and Son; the Law Ogliby, from Sestria, with 237 tons of copper ore, and 25 tons of lead ore, for H. Bath and Son; the Law Ogliby, from Sestria, with 237 tons of copper ore, and 25 tons of lead ore, for H. Bath and Son; the Los of Copper ore, and 25 tons of lead ore, for H. Bath and Son; the Low Ogliby, from Sestria, with 237 tons of copper ore, and 25 tons of lead ore, for H. Bath and Son; the Low Ogliby, from Sestria, with 237 tons of copper ore, and 25 tons of lead ore, for H. Bath and Son; the Low Ogliby, from Sestria, with 237 tons of copper ore, and 25 tons of lead ore, for H. Bath and Son; the Low Ogliby, from Sestria, with 237 tons of copper ore, and 25 tons of lead ore, for H. Bath and Son; the Low Ogliby, from Sestria, with 237 tons of copper ore, and 25 tons of lead ore, for H. Bath and Son; the Low Ogliby, from Sestria, with 237 tons of copper ore, and 25 tons of lead ore, for H. Bath and Son; the Low Ogliby, from Sestria, with 237 tons of copper ore, and 25 tons of lead ore, for H. Bath and Son; the Low Ogliby, from Sestria, with 237 tons of copper ore, and 25 tons of lead ore, for H. Bath and Son; the Low Ogliby, from Sestria, with 237 tons of copper ore, and 25 tons of copper ore, and 2

the Josephine, from Redon, with 35 rons of Iron ore, for R. Crawshay.

THE TIN-PLATE TRADE.—The Quarterly Meeting of the members of the Tin-Plate Trade was held at the Bell Hotel, Gloucester, on Thursday (Mr. Woodruffee, of the Machen Works, Monmouthshire, in the chair). There was a tolerably good attendance of manufacturers and buyers, among the latter being Messrs. Nash and Co., Liverpool; Mitchell and Smith, London; French and Smith, London; and Von Dadelszen and North, London. A hopeful feeling pervaded the meeting as to the future of the trade, stocks in makers' hands being represented as small, and not more than sufficient to meet the ordinary requirements of buyers. American advices are favourable, and when the spring demand on account of the States commences, it is expected that a good trade will be done, for by that time any stocks that may now be in buyers' hands will be sold out. Reference was made to the rise in tin, iron, and tailow, the chief raw materials used in the manufacture of plates, and the following resolution was agreed to as regards prices:—Resolved, that in consequence of the advance in tin, iron, and other raw materials, and the very unremunerative prices at which tin-plates have been selling, that the price be advanced 3s, per box." The members, as usual, dined together after the meeting. An attempt is being made to introduce a uniform wages scale at the various tin-plate works of the kingdom, and already some of the leading firms have given their adhesion to the proposal.

FOREST OF DEAN—THE RATING OF IRON MINES.—At the Town Hall, Newnham, on Monday, before Capt. Goold, Sir Thomas Crawley Bovey, Bart., and Mr. Edwin Crawhays, the overseers of East Dean, who did not appear, were summoned by the guardians of the Westbury-on-Severn Union in respect to a certain claims made upon them for poor rates under the last assessment upon the iron mines in the township. Mr. Carter said he appeared in the awkward position for both the guardians and overseers, but it would be necessary for him to briefly state the facts for the complainants. The magistrates, he continued, would probably remember that at the last assessment of the complainants. The magistrates, he continued, would probably remember that at the last valuation of the township of East Dean the Assessment Committee rated the whole of the iron mines, thus adding property of the yearly value of 6000!. Before claiming the amount of rates due under this assessment from the Dowlais Company a refusal to payment of the three being referred to the Court of Queen's Bench for argument. Of course, the whole call made upon the overseers was upon the basis of the total a valuation of the township.—3,000!. A year ratably value; 6000!. Was the ratable value of the iron mines in question, and the overseers, in their payment to the guardians, were short to the amount of the latter was a peculiar one. At the same time, as clerk to the board of guardians, he should be very sorry were the magistrates to make an order for them to pay the amount claimed; and, on the other hand, he would thank the Bench to adjourn the case until after the Exchequer Chamber find judgment in favour of the claimants the overseers would have no objection to pay the amount for thwith, and be, therefore, trusted the magistrates would take his view of the case.—Capt. Goold: You suggest the matter should stand over until after the next Hilary Term.—Mr.

Carter: Certainly: I should regret if an order were made to-day, although know the guardians are badly in want of money. (A laugh.)—Sir T. Crawley Suppose the mines are shown in the Court of Queen's Bench to be not ratable—Mr. Carter: Then the order cannot be made. The overseers wish to have this matter brought before you in order to show the parishoners of East Dean the have done all that is necessary. I am afraid were we now near March 25 is should advise you to make the order to-day; but this being only the beginning of January, I cannot do so; I would, therefore, suggest the case be adjourned untit the next monthly sitting, which would then be in sufficient time for the annua balance of the Union accounts to be prepared.—The queetlon was then adjourned until the February meeting.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

JAN. 14.—There is no alteration to record with regard to the Iron and Coal Trades of Derbyshire, both of which may be termed moderately good, the advantage being, of course, in favour of the minerals. The works on the Erewash Valley are doing tolerably well, and some large orders have been expected to come into the district from the Continent. The general tone, however, is more encouraging than it has been for some time. The demand for coal, notwith standing the mild weather for the season, has been rather active, and there was sent from Clay Cross to London during the last month more than 30,000 tons. From other parts of the county, also, the tonnage going to the south has been large, and business appears likely to be rather brisk for some time to come. The Eckington Colleries are kept well going, as they have been during nearly the greater part of the past year. To Birmingham, Worcester, and the Western Counties the trade continues favourable, both for gas and other qualities of coal. There is rather more doing in the Burton-on-Trent district, and the collieries there are now resuming something like their wonted activity. Coke remains without alteration; there is a very fair demand for it, not only for the local works, but also for Northamptonshire. The clearing of several collieries which have been filled with water, and which was impeded by the late heavy rains, is now being carried out with energy, the dry weather favouring operations.

At Sheffield some of the heavy branches are busier than they have N. 14.—There is no alteration to record with regard to the Iron operations.

At Sheffield some of the heavy branches are busier than they have

been, and there are some large orders in hand for locomotives and general railway material. The cutlery department remains rather quiet, still orders are coming in, and during the next week or two manufacturers will be in a position to indicate the prospects before them for some months to come. The fame which the Sheffield armour-plates have achieved, and their world-wide celebrity, is likely to be maintained as far as production is concerned during some mour-plates have achieved, and their world-wide celebrity, is likely to be maintained, so far as production is concerned, during some months to come. The iron works in the South Yorkshire district are kept well going, there being a considerable business doing in rails and plates, so that the mills at most of the large establishments are fully employed. There is very little doing at the steel works of Cammell and Co. (Limited), at Penistone, but it has been stated during the week that the rail-mill is about to be set going, and the activity which has hitherto been the rule at the works will be resumed. Coalmasters still complain of the slackness of trade, and the low prices obtained for their produce. The tonnage going to London is still very moderate, and by no means equal to what it has been for the corresponding periods of former years. No alteration for the better is, however, expected until a reduction in the carriage rate takes place, and which there is every reason to believe will be conceded by the two railway companies connected with the district, in their own interests, if for no other reason. The business doing to Grimsby is quiet, and rather lower prices in some instances have to be taken for steam coal. The rates at some parts of Lancashire have been lowered by the Manchester, Sheffield, and Lincolnshire Railway, but not to an extent sufficient to allow of the Yorkshire coalowners competing with those of the Wigan district, who in some instances have an advance of scale form Gools. with those of the Wigan district, who in some instances have an advantage even now of 1s. per ton. The exports of coal from Goole continue favourable for the season, but there is but little doing with Hull. In coke a good business continues to be done for home consumption and for exportation.

Hull. In coke a good business continues to be done for home consumption and for exportation.

THE HAYDOCK COLLIERY EXPLOSION.—The proposal to amalgamate the funds which are being raised for the relief of the sufferers by the several colliery explosions which have occurred in the neighbourhood of Wigan meets with general favour, and a meeting is to be held at Wigan to consider the subject. The charitable in the neighbourhood of Haydock met in that township on Tuesday afternoon, when a sum of 80% was promptly subscribed, to be handed over to the general funds, should such be formed, and if not, to be appropriated solely to the relief of the distressed in that township. One-half of this 80% was given by the proprietors, and 20% by Mr. W. J. Legh, M.P. The inquest on the bodies of the 26 deceased was resumed at the Ram's Head Inn, Haydock, yesterday, before Mr. Driffield, district coroner. Mr. Higson, Government haspector, was present. Mr. Maskel! Peace, of Wigan, watched the proceedings on behalf of the proprietors, and Mr. Wm. Pickard, miner's agent, on the part of the men. The first witness called was Hugh Arnold, the only survivor of the 27 workmen who were employed in the part of the workings where the explosion occurred. He could, however, tell little about the accident. He felt the suck, and then he ran till he was overpowered by the choke-damp. He remembered nothing more till a week afterwards. Joseph Marsh was the next witness called. He worked in a place next to that of his brother, John Marsh, whoes shot is believed by most persons hitherto called to have ignited the gas, Joseph did not go round the pit that morning, as he was Ill, and so far as the evidence of the exploring party goes, the indications in the spot where he ought to have been working went to prove that the gas had come from there. It had come from a fault, and a hole there which would have been examined by the witness when he went to by him, although he had fired a shot on each of three subsequent days. The coroner pointed out to Marsh th

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

JAN. 14.—The Quarterly Meetings of the South Staffordshire Iron Trade have been held to-day and yesterday, at Birmingham and Wolverhampton respectively. At each there was a numerous attendance, and, on the whole, a hopeful feeling. At the same time, the demand for iron is quiet, and, in the majority of cases, the works cannot be kept on full time. Had an advance been made in the prices at the Preliminary Meeting, as some, it is understood, were inclined to propose, the trade would have been most prejudicially affected. In point of fact, many of the ironmasters regard a change of prices as a most dangerous experiment for South Staffordshire. As to the grounds for anticipating a brisk demand shortly, the reduction of the Russian tariff is by no means an unimportant one. We have sent a great deal of iron to that country under the old tariff, and we have now not only a reduction of duties of from 35 to 48 per cent, but an abolition of the advantage which competitors who send by land had over this country. No doubt Russian requirements for railway purposes will be large, and as Government is interested in pushing on these enterprises we may anticipate that the officials will rather favour than hinder importations. The best proof of the general anticipation of an invested the discretization to interested the discretization to in the discretization to interested the discretization to form in the discretization to its country that discretization to its country that discretization to its country that discretization to the country its the discretization to its country that the found in the discretization to the country its the found in the discretization to the country its the found in the discretization to its country is the discretization to its country is the found in the discretization to its country is the country in the country in the country is the country in the country in the country is the country in the country is the country in the country in the country. JAN, 14.—The Quarterly Meetings of the South Staffordshire Iro der impo an improved trade this year is to be found in the disposition to insist on the full advance previously asked in the price of pigs. The tone of the Cleveland meeting tended to make sellers firm at Wolver-hampton and Birmingham, and sales were made at the full rates, which are high enough considering the price of manufactured iron.

Mr. Brogden, the member for Wednesbury, is a shareholder in the
Union Iron Company, which is working the Millfields Iron Works, but

Union Iron Company, which is working the Millfields Iron Works, but not a director, as has been stated. It is said that Mr. Brogden is likely to join another concern in the district.

The report of the South Staffordshire and East Worcestershire Mine Agents' Association will, no doubt, be given in another page of the Mining Journal. The association appears to be progressing, and the general spirit of the report is very satisfactory. The establishment of such an association was suggested in this letter some years since, and there can be no doubt that a wide field of meanings.

those who pursue it. With regard to the previous attitude of the association towards the Inspector of Mines, the directors have shown wisdom in avoiding any reference to the subject. In this way all soreness may be healed and forgotten. The papers were of an extremely interesting and practical character, and the proposal to establish a permanent place of meeting, in connection with the Geological Museum, which gained so much praise from Hugh Miller when he walked from Wolverhampton to Dudley, and slept at a temperance house in the latter town, is one well worthy of the support of the whole neighbourhood.

rance house in the latter town, is one well worthy of the support of the whole neighbourhood.

The question of the liability of the owners of collieries to make compensation to workmen for injuries arising from neglect of the owners or their servants was raised in the Hanley County Court, on Wednesday, before Mr. W. Spooner, the Judge. A working collier sued Mr. W. Bowers, the proprietor of the Berryhill Colliery, for 5l., damages on account of injuries plaintiff sustained from an explosion. His evidence was to the effect that on the morning of Aug. 8 he and others were told by the fireman that the pit was "all right," and they went to work with naked candles, there being no lamps; and an explosion took place as soon as they got into the drift, by which the witness was burn. It was objected for the defendant that as the injury was, according to the plaintiff's case, the result of another servant's negligence, the proprietor was not liable, on the ground that a master is not responsible for injuries suffered by one servant in consequence of the misconduct of another. The Judge, however, wished to hear the case for the defence, when it was proved that the freman cautioned the plaintiff against going into the workings, as, in consequence of the lamp having been removed, he had been unable to make an examination, but the plaintiff went in opposition to this warning. The case was, consequently, dismissed, with costs.

A gratifying presentation was made on New Year's Day to Mr.

this warning. The case was, consequently, dismissed, with costs.

A gratifying presentation was made on New Year's Day to Mr. Thomas Plant, of Longton. Mr. Plant was one of the proprietors of the Whitfield Colliery, near Longton, and is now of the Jackfield Colliery, near Burslem. As he possesses a thorough practical knowledge of mining, his co-proprietors have left the management of the two collieries named in his hands, and the results have been of a highly satisfactory character; consequently, it was decided to inaugurate the new year by recognising, in a marked manner, Mr. Plant's valuable services. The proprietors, and other gentlemen invited, assembled at the Union Hotel, and sat down to a splendid dinner, served up in first-rate style. Mr. S. Bridgwood occupied the chair, and Mr. Robert Hawley the vice-chair, and seal, procured from an eminent firm, and enclosed in a case. Mr. Thomas Bettany, china manufacturer, and one of the colliery proprietors, made the presentation. Mr. Plant made as altable acknowledgement. The following is the inscription on the watch:—"Presented to Mr. Thomas Plant by his co-partners in the Jackfield and Whitfield Collierts, as a grateful acknowledgement of his services as manager. January 1st, 1899."

Some disturbance has taken place at Rowley Hall Colliery amongst the men, in consequence of the proprietors wishing to get the Ruck coal in two divisions, and paying for the same by the ton; but the rate of wages offered appeared to be so inadequate for the work to be done that the colliers refuse to enter upon the contract at the prices proposed to be given. There is no doubt the long wall system is safer than the rib and pillar method of getting coal, but niess colliers can earn a fair rate of wages at the former proposed mode of working they will be sure to prefer the latter. Besides, the plan of getting coal, but niess colliers can earn a fair rate of wages at the former proposed mode of working they will be sure to prefer the latter. Besides, the plan of getting coal, but nies

great credit slike to the masters, ground ballifs, and buttles, and this every practical man knows.—Woberhampton Chronicle.

The industrial condition of Bilston is being improved by the restarting of the Bradley furnaces, and the mills and forges of Millfields. The proprietors of the former are Messrs. G. B. Thorneycroft and Co. (Wolverhampton), and the latter have just been purchased by a joint-stock company (limited), of which it is stated Mr. Brogden, M.P., is a shareholder. The foundries are in better, although not yet all in full, operation. At the Highfields Works (Messry, T. Perry and Son), all the departments are now in tolerable activity. The present rate of production of iron bedsteads at this establishment is 500 per week. Those now in demand are principally for the Australian and South American markets. In the engineering department it is noticeable that a large proportion of the work now being executed is for iron mills and forges in the North of England. These include a vertical engine for rolling-mill, 85-horse power, and an immense pair of guillotine shears, for cutting iron 15 feet by 2 inches, both for the Cleveland district. For the Barrow Iron Works Messrs. Perry made recently, by a patent process of moulding exclusively their own, a pair of fix-wheels, 20 ft. dlameter, with 18-inch "face" and 8-inch "pitch." Another pair, for the Lancashire iron district, are also in course of completion. The japanners and the prospects of trade in summer "season" goods are encouraging. At the London Works (Mr. John Marston), the patterns of ware recently introduced display an excellence of art-decoration which a few years ago was unknown to Bilston goods, and other principal manufacturers here are assimilating their productions in this respect to those of rival makers in the neighbouring town of Wolvehampton.

The Black Country at work presents an industrial hive which the queen of all the bees might envy. The extent and variety of its produce in a single week are something prodigious. They include the rai

A detailed report of the Incorporated Association of Mine Agents of South Staffordshire and East Worcestershire annual meeting at Dudley, on Monday, will be found in this week's Supplement.

GOLD FIELDS OF BALLARAT—COLONY OF VICTORIA—No. II. By THOMAS CARPENTER, Mining Engineer.

By Thomas Carperter, Mining Engineer.

Six large auriferous regions are now being but very partially worked: the richest is Ballarat, the metropolitan gold field of Victoria. The Bendigo gold field was its great rival for many years, the gold deposits of that district (in the alluvial) were much more easily worked. Ballarat is a large inland town, with 50,000 inhabitants, possessing fine public and other buildings, a copious stream of water, lighted with gas, and surrounded by some of the richest land in the world. The district is 96 miles from Melbourne and 50 from Geelong; both places by rail. Its gold-producing area measures some 70 square miles. The older formation is schist, the more recent basalt. On the east the hills run north and south, with a gradual undulating slope to the west, at the base of which a small river runs, called the Yarrowee. On this abuts a large plateau, or tract of table land, made up or formed in the deepest part of eight distinct strata, four of which are igneous, and four of sedimentary deposit; the whole depth is some 380 feet. The basalt forms by far the major part; the upper strata of this rock on the top is much honeycombed, and light, but that running deeper is very hard and dense, and possesses a very fine crystalline fracture. the top is much honeycombed, and light, but that running deeper is very hard and dense, and possesses a very fine crystalline fracture. This formation must be the result of Nature's vast doings at a much laterepoch, and each deposit must have taken place at distinct epochs, and great must have been the interval of time between; all this reposes on sohist, the original surface. This surface was traversed by many rivers, all of which took their source from the contiguous hills, which were once traversed by large and well-defined lodes of the derivative forms. hills, which were once traversed by large and well-defined lodes of gold-bearing quartz, nowmore or less deranged. The denudation from these have supplied all the rich diluvium, the same as the stripping of the backs of the tin lodes in Cornwall supplied the streams of stanniferous diluvium of that country. These rivers running from the hills in all directions number some 86, and are all found to run into one channel, known as the Golden Point, which averages some 350 ft. in breadth. The Golden Point has been worked on for a distance of a mile, and the gold raised by those companies working on its course —the Cosmopolitan, Great Extended, Koh-i-noor, and Band of Hope amounted to 2,000,000l., of which 1,300,000l. was paid to the shareholders in dividends.

It was in working or scratching the surface overlying the schistose rocks, on the slopes of the hills and the drift of the small rivulets or gullies by which they were traversed, that led to the first discovery of these immense deposits of gold—gold amounting to millions in value, altogether unheard of in the annals of gold-producing countries. Men, after years of toll spent in sinking shafts and excavating drives, went to their work in poverty, and at night returned home the possessors of great wealth. These hardy labourers, having hope blishment of such an association was suggested in this letter some years since, and there can be no doubt that a wide field of usefulness is open to it. Everybody needs the stimulus derived from emulation from comparison with others, and the advantage of the general experience of those engaged in similar pursuits. Centres of information of discussion and consultation are valuable in all professions, and this association may do much to raise the science and practice of mining in the district, and to elevate the standard of the first such as the server of toil spent in sinking shafts and excavating division, when the reverse to toil spent in sinking shafts and excavating division, and their work in poverty, and at night returned home the possessors of great wealth. These hardy labourers, having hope and faith for their guide, have laid bare those long-hidden treasures which has caused the name of Ballarat to be spoken of wherever the English language is spoken. No part of Victoria has contributed more to the greatness which she has been enabled to reach than this, practice of mining in the district, and to elevate the standard of

JAN. 16, 1869.]

40,000,000. worth of gold is a great deal of wealth, and, notwithstanding this, very little indeed has been done when compared with that which remains to be done; and more particularly that done at the outset was accomplished under every possible difficulty of the most trying character, many of the men were inexperienced, and the appliances within their reach were of the crudest description, and in on way applicable for the class of work to be prosecuted. Determination achieves much, and it is to determination that many of the Ballarar miners, as well as other classes, are much indebted for their present position. If by such a method so much gold has been raised, it may well be asked what could have been raised, and what remains to be raised, if a more perfect system of mining had been raised, it may well be asked what could have been raised, and what remains to be raised, if a more perfect system of mining had been raised, it cremains to be raised, if a more perfect system of mining had been raised, the deposits of gold, but there is the lack of adequate means required for their development. A great field has been discovered for investment in mining, which has no parallel, as the following statement suffices to show:—Chiefly under the co-operative system 22 companies, on an outhay of 889,2744, have discovered gold, in 250 acres of land, forming a part of the plateau already described, to the value of which at present is 718,9972.

The hills, the source from which all the diluvium has come, are merely being scratched, and in doing so a few scores of men are working where as many thousands should be, with the aid of powerful machinery. Lodes of great value may be said to be discovered for the purpose of being monopolised—or, in other words, to remain dormant. Again, there are thousands of acres of plains overlying rivers of auriferous drift, and only a portion is being worked—all ide for want of capital. It appears very strange that such should be the case. What can it be owing to? I said to tho ous deposits. No; but to the worst of management. There are those in this country, be it known, who are responsible for all this. Let them deny these charges if they can. Results have shown what individuals have achieved since 1852, when all had the same opportunity. The ground that has been yielding up all this wealth, year after year, was then open to all, and in 1852, and years subsequently, a great deal was lying dormant. Such being the state of things, why, let me ask, should a country like this be condemned? You are told on all sides that capital invested there in mining would result in loss. We have tried it, and we have failed—we who were skilled. But, fortunately for the country, those who did not possess such skill persevered, and they did not fail. I ask those who take upon themselves to speak with such authority about mining in Australia to come forward and refute these statements if they can.

GOLD MINING IN CALIFORNIA.

GOLD MINING IN CALIFORNIA.

Although the official report of the United States Government upon the mineral resources of the country does not furnish any glowing accounts of the results of Californian mining, the opinion is very generally entertained that, by the application of additional capital, enormous profits may be obtained, whilst those who invest it will have the advantage of the large amount of exploratory works done by others. One of the chief sources of wealth in the United States, east of the Rocky Mountains, has been, according to the report, the increase in the value of land; but in the mining districts hitherto there was little land to which a fee-simple title could be obtained. But that Californian mining has in some cases proved highly remunerative is beyond question, for it appears that in 1865 the largest income in the State was that of Jules Fricot, who made in that year \$132,511 by quartz mining and the sale of quartz mines; and the third largest was that of James P. Pierce, who made \$102,011 by placer mining; and in the list of incomes for Nevada County, various returns of incomes of \$89,681, \$42,890, and so on, even the lowest, that of R. C. Black, being \$1804, derived from the same source.

The introduction of the NORTH STAR GOLD MINING COMPANY on the London market naturally leads one to seek what the official report says of the district in which it is situated. It appears that the ore exists in bunches, or else in shoots or chimneys, which cut the axis of the vein at every conceivable angle between the horizontal and the vertical; and these are always less than the length of the vein itself, and sometimes than its width, also. When we consider the richness of the veins, the length of time that some of them have been worked, and the amount of gold annually produced, the most important quartz mining region of California is, without any doubt, that of Grass Valley, in Nevada County. The veins in this district, and particularly those which have been the most productive, are

been worked, and the amount or gold annually produced, the most important quartz mining region of California is, without any doubt, that of Grass Valley, in Nevada County. The veins in this district, and particularly those which have been the most productive, are noted for their narrowness as well as for the richness of the quartz. They are encased in a hard metamorphic rock, and the expenses of mining are, as a general thing, higher here than anywhere else in California. Within the last 14 years the total production from the quartz mines of the Grass Valley district has has not been far from \$23,000,000. The entire district is highly interesting. As in all mining localities, there are hundreds of claims and ledges, but the principal leads are the Eureks, Massachusetts Hill, Boston, Rawine Flat, New York Hill, Wisconsin Flat, Missouri Hill, Lafayette, Allison, Norambayau, Gold Hill, Union, Howard, Ophir, Hueston, North Star, Osborn, Long Jack, and Diamond. There are 22 stamp mills in the sity—the Allison mill, eight stamps—not in operation; the Byen, eight stamps—not in operation; the Coe, with new crushing process—not in operation; the Eureka, one of the best mills in California, thirty stamps—always in operation, day and night, Sundays included; the Empire, the most elaborately finished, and one of the most successful in the State, forty stamps—in operation; and print, the sundays included; the Empire, the most elaborately finished, and one of the most successful in the State, forty stamps—in operation; the Euretine, five stamps; the Smith and Northey, eight stamps; and the Union, twenty stamps—all in operation. There are also the Hartery, eight stamps; Norambaynu, ten stamps; Caborn, lin, eight stamps; Merrimack, ten stamps; Norambaynu, ten stamps; Caborn, lin, eight stamps; Merrimack, ten stamps; Norambaynu, ten stamps; Caborn,

fifteen stamps; and the Stockton, anothe, mill—none of which are at present in operation. The mines are all good that have been worked, and the mills not in operation are either the victims of litigation or the process of "freesing out."

The Eureka is the representative ledge of California, and the best gold mine of modern times. Although the Eureka has proved itself the richest gold mine of modern times. Although the Eureka has proved itself the richest gold mine in the world, it was not until November, 1663, that it was profitably worked. The vein runs in a south-easterly and north-westerly direction, pitching west of south at an angle of 79°, the upper wall being syenite and the lower wall greenstone. The rock is of sulphuret order, divided into three grades, paying at the rate of \$400, \$300, and \$214 respectively per ton for the sulphurets, which are worked to within 5 per cent. of fire assay. The quarta averages \$450,000 at month, or \$360,000 for the year. In 1867 it was about the same. This year nearly \$50,000 worth of new machinery has been added, and the dividends remain the same. There are 1800 feet in the claim, and it is owned by eleven San Francisco gentlemen, five gentlemen of this city, and three New Xorkers—Messrs. J. B. Dickinson, Thomas Hope, and Benjamin Sillman. Mr. Watt, the superintendent, took me through the mine and mill. There are two shafts, respectively 400 and 500 feet. There are 170 men at work in the mine, who extract about 70 tons of quarta per day. There are two 16-in. cylinder engines, one for holsting rock, and the other for pumping water from the mine.

The rock is first put through one of Blake's crushers, then goes to the mill, the machinery of which consists of thirty stamps, and Hunter's and the Forcupine amalgamation and washing-furnaces for the reduction of the sulphurets, The gold is also assayed and made into bars at the mill.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Devon.

PURSUANT to an Order or Decree made in a Cause of Bayly v.

Titheries the Younger, the creditors in respect of EAST BROOKWOOD
MINE, in the parish of HOLINE, within the said Stannaries, are, on Friday,
the 22d day of January inst, at Eleven o'clock in the forenoon, to COME IN
and PROVE THEIR DEBTS before the Registrar of the said Court, at his
office in Turto, or, in default thereof, they will be EXCLUDED from the BENEFIT of the said Decree.

F. HEARLE COCK, Truro
(Agent for Samuel Cater, Plaintiff's Solicitor, Plymouth).
Dated Registrar's Office, Truro, 9th January, 1869.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall,

PURSUANT to a Decree made in the Cause of Gatley v. Ball, the Creditors in respect of DUCHY AND PERU MINE, in the Parish of PERRANZABULOE, within the said Stannaries, are required on Monday, the 25th day of January instant, at Eleven o'clock in the forenoon, to COME IN and PROVE THEIR DEBTS before the Registrar of the said Court, in Truro, or in default thereof they will be peremptorily EXCLUDED the BENEFIT of the said Decree. Dated Registrar's Office, Truro, January 14th, 1869.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall,

IN the MATTER of the COMPANIES ACT, 1862, and of the WHEAL NORRIS MINING COMPANY (LIMITED)—Notice is hereby given, that a PETITION for the WINDING-UP of the ABOVE-NAMED COMPANY by the Court was, on the 31st day of December last, presented to the Vice-Warden of the Stannaries by John Clark Isaac, Richard Hawke, Henry Edg-cumbe, and Charles Isaac, of Liskeard, in the county of Cornwall, merchants, carrying on business under the style or firm of Isaac, Hawke, Edgcumbe, and Co., creditors of the said company, and that the said petition is directed to be heard before the Vice-Warden, at No. 18, Thurloe-square, Brompton, in the county of Middlesex, on Saturday, the 23d day of January instant, at Eleven o'clock in the forenon.

Any contributory or creditor of the company may appear at the hearing and oppose the same, provided he has given at least two clear days' notice to the petitioners, their solicitors, or agents, of his intention to do so, such notice to be forthwith forwarded to P. P. Smith, Esq., secretary of the Vice-Warden, Truro. Every such contributory or creditor is entitled to a copy of the petition and affidavit verifying the same from the petitioners, their solicitors, or their agents, within 24 hours after requiring the same, on payment of the regulated charge per follo.

Affidavits intended to be used at the hearing, in opposition to the petition.

harge per folio.

Affidavits intended to be used at the hearing, in opposition to the petition, and to the life at the Registrar's Office, Truro, on or before the 20th day of January astant, and notice thereof must at the same time be given to the petitioners, heir solicitors, or their agents.

HODGE, HOCKIN, AND MARRACK, Solicitors, Truro, Cornwall; GREGORY, ROWCLIFFES', AND RAWLE, No. 1, Bedford-row, London (Agents of the said Solicitors).

Dated Truro, January 12th, 1869.

In the Matter of the Companies Act, 1862, AND OF THE

EAST WHEAL ROSE CONSOLIDATED SILVER-LEAD MINING COMPANY (LIMITED). IN LIQUIDATION.

COMPANY (LIMITED). IN LIQUIDATION.

NOTICE IS HEREBY GIVEN, that in accordance with instructions received from the liquidators, Mr. JULIAN, auctioneer, Truro, will at Twelve o'clock at noon, on Friday, the 22d day of January, on the aforesaid mine, situated in the parish of St. Erne, in the county of Cornwall, OFFER FOR SALE, BY FUBLIC AUCTION, the WHOLE of the MINING PROPERTY, consisting of LEASE (19½ years of which are unexpired), PLANT, MACHINERY, TOOLS, TACKLE, IMPLEMENTS, with sundry other articles for mining purposes, in One Lot, when, should no sultable offer be made for the purchase of the property, he will, in pursuance of the instructions of the liquidators, SELL the WHOLE of the TIMBER, HORSE WHIM, rollers, kibbles, minors' and other tools, in separate lots.

The conditions of sale will be produced at the time of selling.

All further particulars can be obtained from the auctioneer, and catalogues can be had from either Capt. JAMES EVANS, St. Agnes; Capt. Thomas, St. Erne; or the liquidators, at their offices, 26, Nicholas-lane, London.

TO CAPITALISTS.

SLATE QUARRIES FOR SALE IN NORTH AND SOUTH WALES. MR. GEO. A. H. POTTER has FOR SALE, BY PRIVATE TREATY, FOUR VALUABLE SLATE QUARRIES, called

FOEL FAWR, FOEL FACH, CWM CILAN, AND LLYFNANT, Situate in the Counties of CARDIGANSHIRE and MONTGOMERYSHIRE.

They are in the immediate vicinity of the railways, shipping wharves, and rivers. Plenty of water to turn any machinery required.

A veln of copper ore runs through a portion of the Foel Fawr property.

For full printed particulars, and to treat, apply to GEO. A. H. POTTER, Auctioneer and Valuer, 17, Orange-street, Swanses.

MINING PLANT FOR SALE.

O BE SOLD, BY PRIVATE CONTRACT, the whole or portions of the valuable PLANT and MACHINERY in and upon the of the valuable PLANT and MACHINERY in and upon the PENPOMPREN & PENYBANK UNITED SILVER-LEAD MINES,

PENPOMPREN & PENYBANK UNITED SILVER-LEAD MINES,
TALYBONT, near ABERYSTWITH, CARDIGANSHIRE,
Comprising TWO WATER-WHEELS, nearly new (with iron segments), 40 feet
diameter by 4 feet breast, and 12 feet diameter by 4½ feet breast respectively;
upwards of 750 feet of LAUNDERS to ditto; CRUSHER, with 30 inch diameter
rollers; double reversing improved WINDING MACHINE; 300 to 700 fathoms
of WIRE ROPE, with pulleys and shieves to support ditto; 11 fathoms 9 inch
PUMPS, 15 fathoms 6 inch ditto, 20 fathoms 5 inch ditto; 30 to 100 fathoms of
Iron PUMP RODS; electrical signalling apparatus, with 1500 yards of conducting wires; 400 to 500 yards of double-iron bridge tram RAILS; patent atmospheric American ORE STAMPS, with speed gearing for ditto; one ZENNER'S
rotating BUDDLE, 18 feet diameter; two circular BUDDLES, with 9 fit. wheel
to drive ditto; one OFFICE (of wood) 12 by 10 feet square; one ore bin, scales
and weights, wooden sheds; six JIGGING HUTCHES; flat buddle, trunks,
strakes, doily tubs, catch pits, sieves, barrows, tools and utensils on dressingfloors, kibbles, tram wagons, balance and pendulum bobs, angle pulleys, crab
winch, lifting screw, chains, tackle ropes, sundry lots of timber and ironwork,
ladders and dividing boards in shafts, one horse and cart and two sets of harness, patent straw cutter and stable utensils, assayer's furnace and apparatus.
Together with all the other sundry MATERIALS and "APPLIANCES necessary to the working of an extensive LEAD MINE, the whole plant being in
good order, of recent construction, and of the most modern and approved workmanship.

Apply to Mr. EDWARD GLEDHLL, manager, at the mines, who will furnish

Apply to Mr. EDWARD GLEDHILL, manager, at the mines, who will furnish all requisite information and particulars. NORTH WALES-QUEEN'S FERRY, FLINT. CLOSE TO THE RAILWAY.

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By order of the Board,
FRED. R. BLUETT, Secretary.

51, Moorgate-street, E.C., the 8th day of January, 1869.

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Camborne, January 12, 1869.

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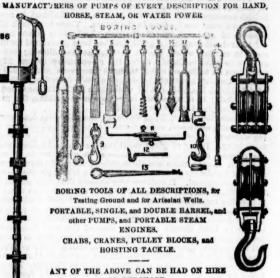
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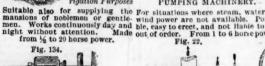
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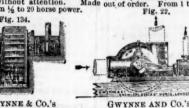




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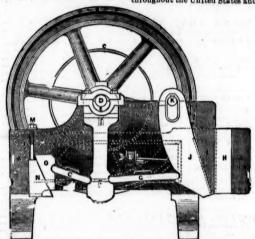
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ALL PERSONS are hereby CAUTIONED against MANUFACTURING, SELLING, or USING any STONE BREAKERS similar to BLAKE'S, which have not been manufactured by the Plaintiffs. Application will forthwith be made to the Court of Chancery for INJUNCTIONS AGAINST ALL PERSONS who may be found INFRINGING BLAKE'S PATENT after this notice.

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| 508 | Summer Hill, I, Mold | 3 | 18 | 6 | - | | | | | 2 | | 6 | 0 | 5 (| Feb. | 1868 | 400 |
| 6000 | Tincroft, c. t. Pool, Illogant | 9 | 0 | 0 | | | 17 | 18 | | 20 | 1 | 0 | 0 | 5 (| Nov. | 1868 | 100 |
| 9000 | Trumpet Cons., t, Helston | 11 | 10 | 0 | - | | | | | 13 | | | | 0 (| Oct. | 1868 | 5 |
| 2000 | W. Chiverton, I, Perranzabuloet | 10 | | 0 | 60 | | 59 | 01 | | 31 | | 6 | | | | 1868 | |
| 2000 | West Godolphin, t, c, Breage | 0 | | 0 | - | | 00 | 0.1 | | 0 | | 0 | | | Dec. | 1867 | 6 |
| 9000 | West Godorphin, e, c, Dreage | 47 | å | 0 | 700 | •• | 100 | 000 | | | | | | | | | 1 |
| 400 | W. Wheal Seton, c, Cambornet | | 0 | 0 | | •• | 190 | 200 | | 616 | 10 | 0 | 6 | | Dec. | 1868 | 10 |
| 512 | Wheal Basset, c, Illogant | 5 | 2 | 6 | | | | | | | | 0 | | | | 1868 | 41 |
| 1024 | Wheal Friendship, c, Tavistock | 20 | 0 | 0 | - | | | | | | | | | | | 1866 | 12 |
| 519 | Wheal Jane, s-l, Kea | 10 | 15 | 0 | - | | | | | 21 | 0 | 0 | 2 | 0 (| Nov. | 1868 | 6 |
| 4995 | Wheal Kitty, t, St. Agnes | 5 | | 6 | 41/4 | | 4 4 | 134 | | 8 | | | | | Nov. | 1868 | 150 |
| 1004 | Wheal Mary Ann, I, Menheniott | 8 | 0 | 0 | 21 | | 20 | | | | | | | | Dec. | 1868 | |
| 1024 | Wheal Owles, t, St. Just: | 70 | 0 | 0 | | •• | | | | | | | | | Feb. | 1868 | 6 |
| 80 | WHERE OWICE, I, Dr. outer | | 10 | 0.00 | 80 | •• | 00 | 00 | | | | | | | | | 6 |
| 396 | Wheal Seton, t, c, Camborne | 98 | 10 | 0 | | •• | 66 | 68 | | | | | | | Feb. | 1868 | 3 |
| 3000 | Whitewell Lead, Clitheroe | | | 0 | | | | | | 1 | | | | | Dec. | 1867 | |
| 17000 | Wicklow, c, i, Wicklow | 2 | 10 | 0 | 111/4 | | | | | 49 | 1 | 0 | 0 | 5 (| Oct. | 1868 | 10 |
| ., | | | | | | | | | | | | | | | | | 6 |
| | KOREIGN | I | D | IVI | DE | N | n | MI | NI | 2.5 | | | | | | | e. |

FOREIGN DIVIDEND MINES.

| | T. O. IVIII T. O. I | • • | _ | | | | | 10 101 |
|--------|---------------------------------|-----|----|-----|-------|-----------|----|---------------------------|
| 25000 | Alamillos, I, Spain*1 | 2 | | 0 | | 11/4 13/4 | | 0 46 0 20 Sept. 1868 |
| 20000 | Australian.c. South Australiatt | 7 | | 6 | | | | 0 1 6 0 0 6 Aug. 1868 |
| 15000 | Cape Copper Mining*† | 7 | 0 | 0 | | 13 131/2 | | 3 17 6 0 15 0 Nov. 1868 |
| 80000 | Central American Association*† | 1 | 10 | 0 | | | | |
| 76169 | Don Pedro North del Rey*+ | 0 | 14 | 0 | 3% | 4 434 | | 1 0 3 0 3 6 Nov. 1868 |
| 70000 | English and Australian, ct | | | 0 | | | | 0 1 0Feb. 1868 |
| 95000 | Fortuna, I, Spain*† | 2 | 0 | 0 | 2 | 11/2 2 | | 1 11 10. 0 2 6 Sept. 1868 |
| 20000 | Gen.MiningAssoc., NovaScotiat | 20 | | 0 | | | | 23 10 0 0 15 0 June 1867 |
| 10000 | Gonnesa, 1,* | 5 | | 0 | | | | 10 per cent Aug. 1868 |
| 48000 | Kapunda Mining Co., Austratt | 1 | 0 | 0 | | | | 0 1 10. 0 0 6. Nov. 1868 |
| 15000 | Linares, t, Spain*t | 3 | 0 | 0 | 3 | 21/2 3 | | 44 48 A A A A A A + 4000 |
| K0000 | Panulcillo, c, Chili*† | 3 | | 0 | 114 | 44 1 | | 10 per cent Yearly. |
| 2000 | Peel River Land and Mineral* | 100 | | 0 | | /- | | |
| 10000 | Pontgibaud, s-l, Francet | 20 | | 0 | 12 | 10 12 | | |
| 10000 | Port Phillip, g, Clunest | 1 | | 0 | 1% | 134 2 | | 1 1 6 0 1 6 Jan. 1869 |
| 100000 | Scottish Australian Min. Co.t. | 1 | | 0 | 136 | % 11% | | 10 per cent, Nov. 1868 |
| 11000 | | 15 | | 0 | 151/2 | 15 16 | | 81 10 0 4 5 0 Dec. 1867 |
| 4000 | Swedish Sulphur Ore* | | | 0 | | | | #1/ non sond Dec 2000 |
| 19500 | Vancouver Coal Mining*†‡ | | | | 9 | 8 9 | | 0 0 0 0 10 0 17 1000 |
| 10000 | Victoria (London) [25000 £1 pd. | | | | | | | 0 97 0 07July 1868 |
| | | | | 0 | | , | - | 0 19 6 0 2 6 May 1866 |
| 40000 | West Canada Mining Co.* | | 0 | 0.0 | | | •• | 0 10 0 0 2 0 May 1000 |
| | | - | | | | | | |

NON-DIVIDEND FOREIGN MINES.

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|---|--|----|
| hares. Mines. | Paid. Last Pr. Bus. done. Last Call. | |
| 50000 Anglo-Argentine, s, Argentine Republic* | 1 00 1 | |
| 00000 Anglo-Brazillan, g*† | 0 10 0 78108. 118NOV. 1866 | |
| 12500 Angio-Italian, g*† | 0 10 0 % Jan. 1868 | A |
| 20000 Australian United, g | 1 00 Mar. 1868 | |
| 2464 Burra Burra, c, South Australia : | 5 0 0 | |
| 20000 Capula, s. Mexico*† | 1 17 6 May 1868 | |
| 30000 Chontales, g, s, Nicaragua*† | 5 0 0 2381% 23 Mar. 1868 | |
| 12000 Cobre Copper Company, c, Cubatt | 45 10 0 Jan. 1868 | |
| 10000 Copiapo Mining Company, Chilit | 16 10 0 | |
| 10000 Coplano Smelting, Chill* | 10 0 0 April 1866 | |
| 300 Copper Miners' Co. of South Australia * [150 £100 pd. | ., 150 £70 pd.] Nov. 1866 | |
| 15000 El Chico Silver Mining and Reduction Company* | 5 0 0 Nov. 1866 | |
| 40000 Fortune Copper Mining Co. of Western Australia | 2 0 0Fully pd. | |
| 50000 Frontino and Bolivia, g, New Granada*† | 1 17 6 128s. 10s May 1868 | |
| 50000 General Brazilian* | 0 2 0 %95. 118 | 'n |
| 80000 Great Northern, c, South Australia | 1 11 6 Sept. 1869 | - |
| 50000 Javali, g, Nicaragua | 2 0 0Jan. 1869 | |
| 7927 Lusitanian (Portugal) t | 2 15 0 — Dec. 1866 | |
| 83640 Mariquita, g, s, New Granada | 1 0 0 Feb. 1868 | 5 |
| 12500 Nerbudda Coal and Iron, India*† | 6 0 0 434 Dec. 1867 | • |
| 51000 New Quebrada, c, Venezuela*† | 4 40 | |
| 15000 Otea, c, New Zealand* | 2 0 0 Fully pd. | |
| 80000 Pestarena United, g, Italy*† | 2 17 6 %1¼ 1% | |
| 10178 Rhenish Consolidated, l [6000 £5 pd., 4178 £2 10s. pd.] | May 1866 | |
| 00000 Rossa Grande, g, Brazil*† | 0 14 0 11/21% 11/2 June 1867 | 3 |
| 15000 San Pedro del Monte, s, Mexico* | 4 0 0 Sept. 1866 | _ |
| 10000 San Roque, I, Spain | 5 0 0 Fully pd Oct. 1868 | |
| 0000 Sao Vicente, Brazil*† | | |
| 00000 Taquaril, g, Brazil* | 0 7 6 5%13s15sOct. 1868 | |
| 3174 United Mexican, s, Mexicott* | | |
| 30000 Val Antigoria, g, Italy* | 8 0 0 Aug. 1868 | |
| 6000 Val Sassam, s, c, l, Italy*† | 1 00 Fully pd. | |
| 5000 Victor Emanuel, c, Italy* | 5 00 Fully pd. | |
| 20000 Washoe, g, Nevada† | 1 00 36 1/4 3/6 Fully pd. | А |
| 5000 Yorke Peninsula, South Australia | 1 00 % ¼ % Fully pd. 1 00 ¼ ¼ % Fully pd. | d |
| 5000 Yudanamutana, c, South Australia*ii | 3 00 2% 2 2% Fully pd. | ß |
| bood I dusting of Boney Wastiglie 11 | 0 0 0 1 -/4/8 trams Por | |

NON-DIVIDEND MINES.

| - | ***** | | Salar | 7 | ast D | . Rus | do | e. Last | Call. |
|-------|---|-----|-------|---|-------|--------|------|----------|---------|
| Share | | | | _ | | T.Dus | · uo | to. Duse | · Curre |
| | Brynpostig, Montgomery, l* | 1 | 0 0 | | 001/ | *** | 1100 | June | 100 |
| | Carn Brea, c, t, Illogant | 30 | | | 2279 | 91/ | 237 | Nov. | 1868 |
| | Chiverton, I, Perranzabuloe | 11 | | | 079 | **** | 152 | Nov. | 1868 |
| | Chiverton Moor, I, Perranzabuloe | | 13 6 | | 0 | | | Nov. | 1868 |
| | Clifford Amalgamated, c, Gwennap! | | 17 6 | | - | ** " | . 4 | Dec. | 1866 |
| | Drake Walls, t, Calstockt | 2 | | | 78 | | 8 1 | Nov. | |
| 519 | East Basset, c, Redrutht | 37 | | | | 8 | 9 | Dec. | 1000 |
| 6000 | East Carn Brea, c, Redruth! | 4 | 8 6 | | | 40 | 09/ | | |
| 6000 | East Grenville, c, Camborne | 4 | | | | 31/2 | 3% | Nov. | |
| 4000 | East Wheal Russell, c, Tavistock† | | 13 6 | | - | | | Oct. | |
| 6144 | Gonamena, c, St. Cleer | | 12 9 | | _ | | | Dec. | |
| 5000 | Great North Downs, c, Redruth | 6 | 13 0 | | | ** | 0.77 | Feb. | 1867 |
| | Great Retallack, s-l, b, Perranzabuloe | | 19 6 | | | 25% | 2/8 | Oct. | |
| 5143 | Great South Tolgus, c, Redruth | 1 | 10 6 | | | | | Dec. | |
| 1798 | Great Wheal Fortune, t, Breage | 31 | 7 4 | | - | | | Mar. | |
| 6000 | Hingston Down, c, Calstockt | 5 | 12 0 | | - | ** | | Dec. | |
| 400 | New Wheal Seton, c, Camborne | 63 | 0 0 | | 75 | 70 | 80 | Jan. | |
| 8457 | North Downs, c, Redruth | 5 | 8 10 | | - | | _ | Jan. | |
| 695 | North Rockhar, c, Camborne | 61 | 9 0 | | 8 | 7 | 8 | Nov. | 1868 |
| 8888 | North Treskerby, c, St. Agnes | 1 | 12 4 | | % | 1% | 134 | Dec. | 1860 |
| 3000 | North Wheel Chiverton, I, Perranzabuloe | 4 | 10 0 | | - | | | Nov. | |
| 1094 | Rose and Chiverton United, I, Newlyn | 6 | 0 0 | | - | | | Aug. | 1868 |
| 6138 | South Condurrow, t, c, Camborne | 4 | 8 6 | | 3% | .,158. | 178 | Oct. | 1868 |
| 1000 | South Merllyn, I, Flint | ī | 0 0 | | 1 | | | | |
| 940 | St. Ives Consols, t, St. Ives | 10 | 15 0 | | 12 | 11 | 12 | Nov. | |
| 990 | Stray Park, c, t, Cambornett | 45 | 5 8 | | 5 | 8 | 5 | April | |
| 548 | Trelyon Consols, t, St. Ives | | 10 0 | | - | | | Dec. | |
| 1000 | West Basset, c, Illogantt | | 0 0 | | - | | | May | |
| 1094 | West Caradon, c, St. Cleer; | | 0 0 | | 3 | 2 | 3 | Nov. | |
| 10900 | West Drake Walls, c, Calstock | | 6 0 | | 34 | | | Nov. | |
| 9599 | West Great Work, t, Breage | | 11 0 | | _ | | | June | |
| 6000 | West St. Ives, t, c, St. Ives | | 3 6 | | - | | | Oct. | 1868 |
| 819 | West Wheal Frances, t, Illogan | | | | 42 | 42 | 44 | | |
| 2000 | West Wheal Kitty, t, St. Agnes | 200 | 4 0 | | - | | | Nov. | |
| 0000 | Wheal Agar, c, Illogan | | 15 0 | | _ | | | Jan. | 1869 |
| 819 | Wheal Buller, c, Redruth t | | 5 0 | | 10 | 8 | 10 | Nov. | 1868 |
| 911 | Wheal Emily Henrietta, c, Illogan | | 0 0 | | 91 | 20 | 22 | Jan. | 1868 |
| 6794 | Wheal Grenville, c, Cambornet | | 10 0 | | 136 | 328. | 348 | Dec. | 1868 |
| 1040 | Wheal Trelawny, s-l, Liskeard† | | 7 0 | | Q | 5% | . 6 | . Dec. | 1807 |
| 5000 | Wheal Uny, t, c, Redruth | | 14 6 | | 3% | 33 | 4 | Oct. | 1868 |
| 0000 | Wheat Only, s, o, Mouritine sees sees sees sees | | | | | | | | |

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A000 BadfordConsole, CTavistock \$ 0 6 ... |
A000 BadfordConsole, CTavistock \$ 0 6 ... |
A000 BadfordConsole, Tavistock \$ 0 6 ... |
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IRON AND COAL COMPANIES. st, silver-lead; t, tin; z, zinc.

b, blende; e icoal; c, copper; g, gold; I, lead; s, silver; sI, si *.* Companies marked thus * have been incorporated with Limited Liability; those marked † have been admitted on the Stock Exchange, those marked thus ‡ have paid Dividends.

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